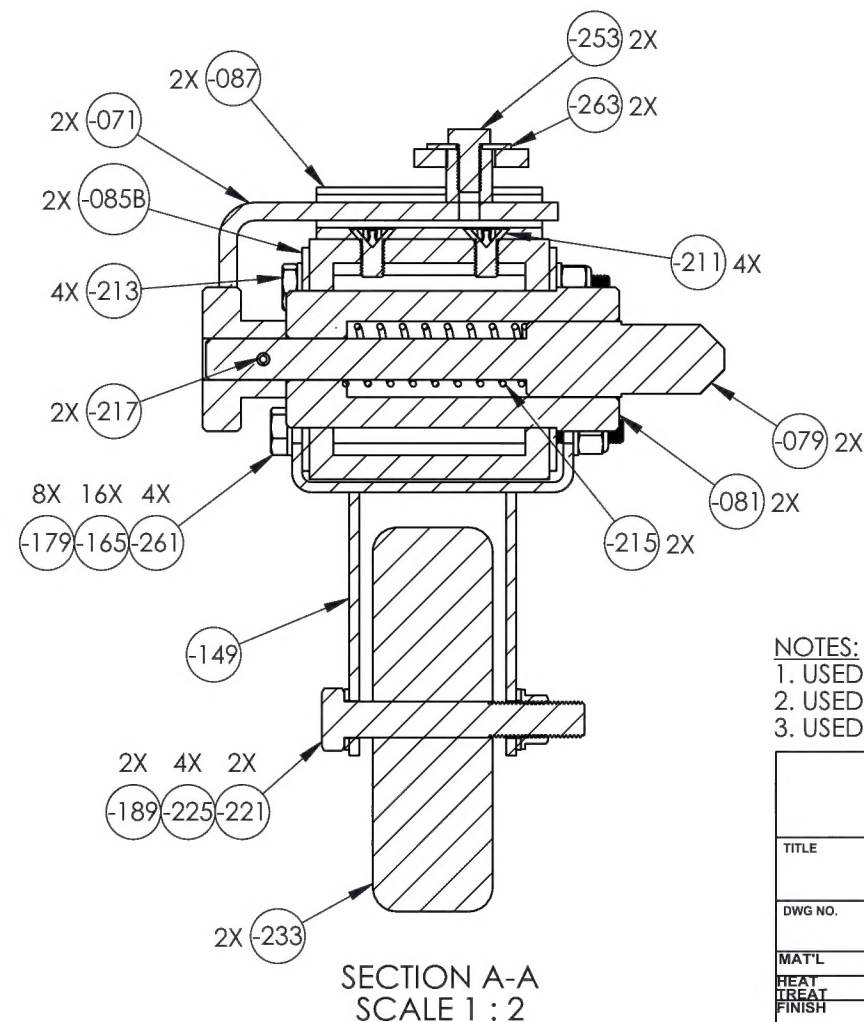
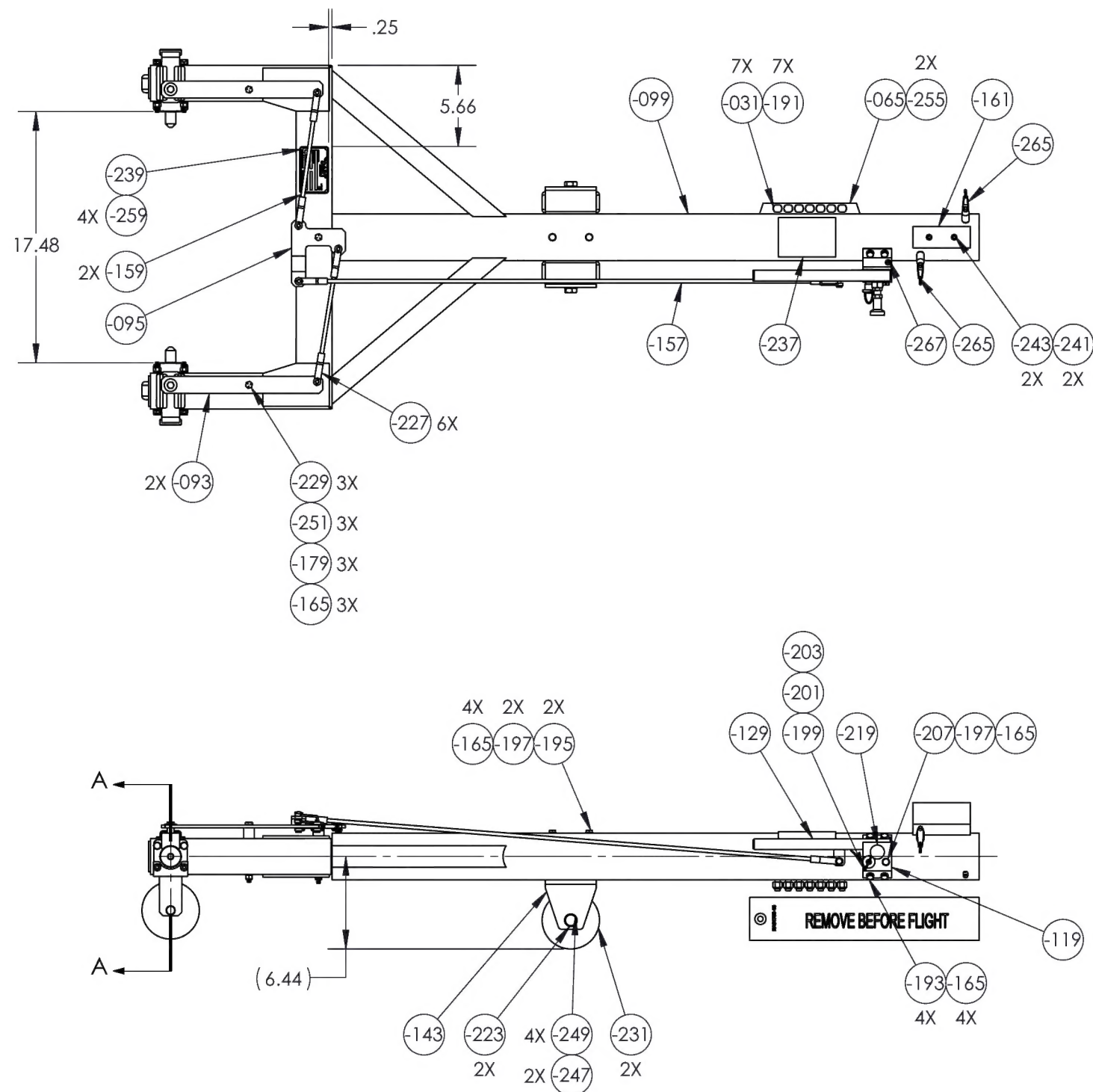



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NOTES:
1. USED IN ASSY RBW0905G00134-3G.
2. USED WITH RBW0905G12631-3G.
3. USED WITH RBW0905G00134-3G-01.


			
TITLE			
TOW DOLLY			
DWG NO.			REV
RBW0905G00134-3G-03			5
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125√		
HEAT			
TREAT			
FINISH			
SPEC			
DRAWN BY:	PERRITT	1. BREAK ALL SHARP EDGES .015 X 45° OR .015R	
CHECKED:	MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR:	ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR:	LINDSAY	USED ON MODEL	
APPROVED:	GILBERT	AGUSTA AW139	
SCALE	1:10	DATE	2/12/2010
		SHEET 1 OF 49	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED

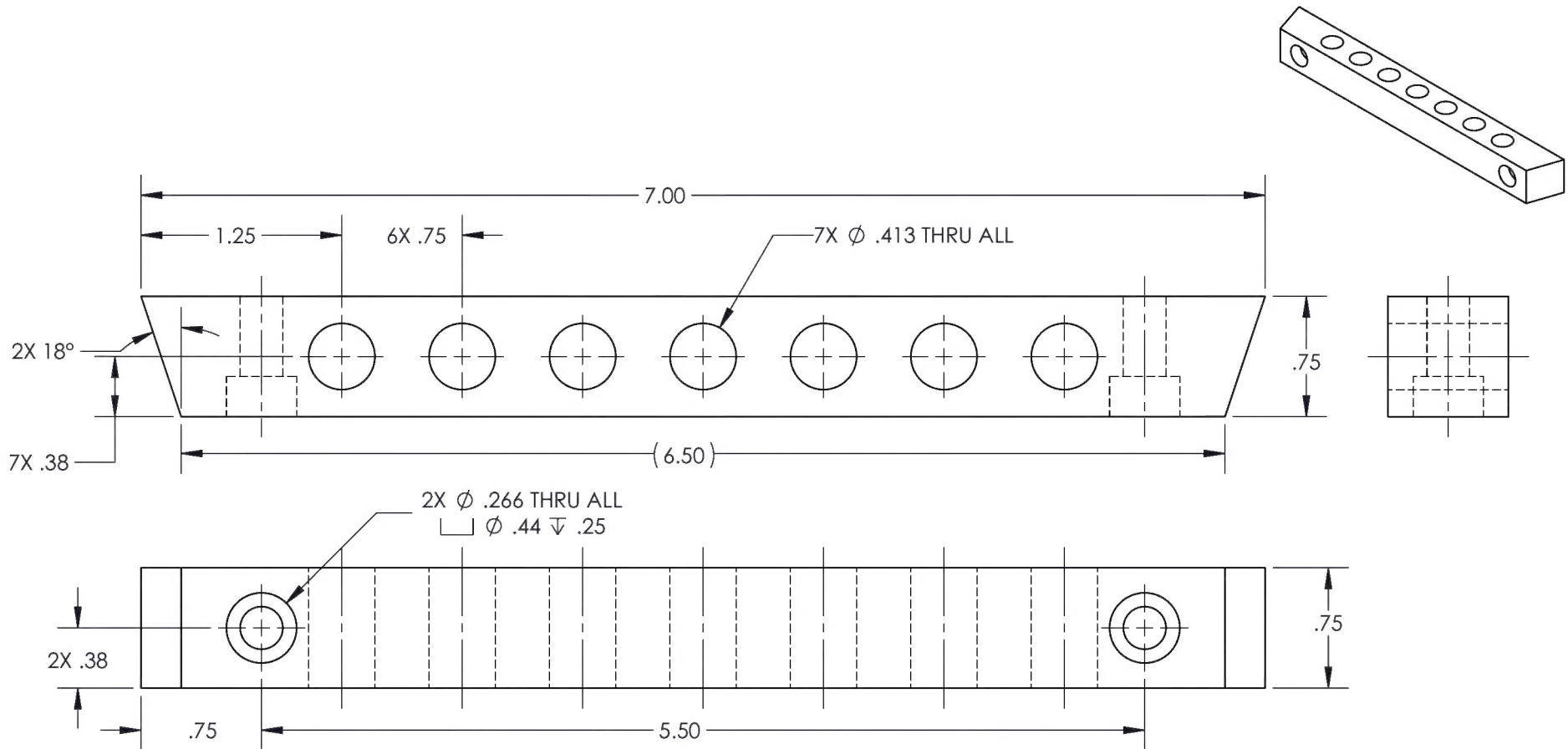
ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
								-031	7	TONGUE SHEAR BOLT		DART #RBW0905G01652-3G	1
								-065	1	TONGUE SHEAR BOLT HOLDER	6061		3
						X		-071	2	PIN SLIDE WELDMENT			4
						1		-073		SLIDE BAR	A36/1018/1020 HR		5
						1		-075		PIN ATTACHMENT	A36/1018/1020 HR		6
						1		-077		BUSHING	A36/1018/1020 HR		7
								-079	2	PIN	4140/4142		8
					X			-081	2	PIN HOUSING WELDMENT			9
					1			-083		PIN HOUSING	A36/1018/1020 HR		10
					1			-085A		HOUSING PLATE	A36/1018/1020 HR		11
								-085B	2	HOUSING PLATE	A36/1018/1020 HR		11
				X				-087	2	GUIDE WELDMENT			12
				1				-089		GUIDE PLATE	1018/1020 CR		13
				2				-091		GUIDE	1018/1020 CR		14
								-093	2	TRANSFER BAR	6061		15
								-095	1	TIE ROD PIVOT	6061		16
				3				-097		RISER	6061		17
			X					-099	1	FRAME WELDMENT			18
			1					-101		FRAME TUBE	6061		19
			1					-103		FRONT	6061		20
			1					-105		RIGHT SIDE	6061		21
			1					-107		LEFT SIDE	6061		22
			2					-109		BRACE	6061		23
			4					-111		GUSSET	6061		24
			1					-113		WHEEL PLATE	6061		25
			1					-115		CHANNEL	6063		26
			2					-117		END CAP	6061		27
			X					-119	1	HANDLE BRACKET WELDMENT			28
			1					-121		BASE	A36/1018/1020 HR		29
			1					-123		INSIDE	A36/1018/1020 HR		30
			1					-125		OUTSIDE	A36/1018/1020 HR		31
			1				B/O	-127		NUT	STEEL	M12X1.5 (MCMASTER-CARR #91415A235)	28
		X						-129	1	HANDLE WELDMENT			32
		1						-131		END CAP	A36/1018/1020 HR		33
		2						-133		SIDE PLATE	A36/1018/1020 HR		34
		1						-135		BACK END	A36/1018/1020 HR		35
		1						-137		FRONT END	A36/1018/1020 HR		36
		1						-139		TAB	A36/1018/1020 HR		37
		1						-141		HANDLE	STEEL		38
	X							-143	1	FRONT WHEEL BRACKET WELDMENT			39
	1							-145		FRONT WHEEL BRACKET FRAME	A36/1018/1020 HR		40
	2							-147		FRONT WHEEL BRACKET GUSSET	A36/1018/1020 HR		41
X								-149	2	REAR WHEEL BRACKET WELDMENT			42
1								-151		REAR WHEEL FRAME	A36/1018/1020 HR		43
2								-153		REAR WHEEL VERT. SUPPORT	A36/1018/1020 HR		44
								-157	1	THREADED ROD	1018/1020 CR		45
								-159	2	THREADED ROD	1018/1020 CR		46
								-161	1	PAD	URETHANE 60A	1-1/2 X 1-1/2 X 4-1/8 (MCMASTER CARR #8644K24)	47
							B/O	-165	28	FLAT WASHER	S.S.	Ø1/4 AN960-416	1
							B/O	-179	11	HEX LOCKNUT	STEEL	1/4-28 UNF (MCMASTER-CARR #95615A130)	1
							B/O	-189	2	LOCK NUT	STEEL	3/8-24 UNF (MCMASTER-CARR #95307A700)	1
							B/O	-191	7	THIN NYLON INSERT LOCK NUT	STEEL	3/8-24 UNF (MCMASTER-CARR# 90566A220)	1
							B/O	-193	4	HEX HEAD CAP SCREW	S.S.	1/4-28 UNF X 1/2 AN4-4A	1
							B/O	-195	2	HEX HEAD CAP SCREW	S.S.	1/4-28 UNF X 4 AN4-40A	1
							B/O	-197	3	LOCK NUT	STEEL	1/4-28 UNF (MCMASTER-CARR #95307A500)	1
ASSY -149	ASSY -143	ASSY -129	ASSY -119	ASSY -99	ASSY -87	ASSY -81	ASSY -71						

ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
							B/O	-199	1	BALL LOCK PIN	S.S.	Ø1/4 X 1 (MCMMASTER-CARR 92384A034)	1
							B/O	-201	1	LANYARD, LOOP TO LOOP	COATED STEEL	Ø1/16 WIRE X 6 (CARR LANE #CL-2-C)	1
							B/O	-203	1	REMOVE BEFORE FLIGHT	NYLON	NAS 1756-16	1
							B/O	-207	1	HEX HEAD CAP SCREW	STEEL	1/4-28 UNF X 1-1/4 AN4-12A	1
							B/O	-211	4	FLAT HEAD SCREW	STEEL	1/4-28 UNF X 1/2 (MCMMASTER-CARR #90273A557)	1
							B/O	-213	4	HEX HEAD CAP SCREW	STEEL	1/4-28 UNF X 3-1/4 (MCMMASTER-CARR #91257A574)	1
							B/O	-215	2	COMPRESSION SPRING	SPRING STEEL	OD Ø3/4 X 2 CENTURY SPRING #10226	1
							B/O	-217	2	ROLL PIN	STEEL	Ø1/8 X 3/4 (MCMMASTER-CARR #90692A698)	1
							B/O	-219	1	LOCKING INDEXING PLUNGER		J.W. WINCO #GO2/AK	1
							B/O	-221	2	HEX HEAD CAP SCREW	S.S.	3/8-24 UNF X 2-3/8 AN6-23A	1
							B/O	-223	2	HEX HEAD CAP SCREW	S.S.	1/2-20 UNF X 2-7/8 AN8-27A	1
							B/O	-225	4	FLAT WASHER	STEEL	Ø3/8 AN960-616	1
							B/O	-227	6	ROD END	STEEL	(MCMMASTER-CARR 6071K120)	1
							B/O	-229	3	HEX HEAD CAP SCREW	STEEL	1/4-28 UNF X 4 (MCMMASTER-CARR #91247A028)	1
							B/O	-231	2	FRONT WHEEL	POLYPROPYLENE	Ø4 O.D. (MCMMASTER-CARR #2781T58)	1
							B/O	-233	2	REAR WHEEL	RUBBER	Ø4 O.D. (MCMMASTER-CARR #2829T73)	1
							B/O	-237	1	WARNING STICKER WITH ADHESIVE BACK	VINYL	1/32 X 3 X 4-5/8 SIGNS NOW	48
							B/O	-239	1	DART PLACARD	ALUMINUM	RB41011	1
							B/O	-241	2	RIVET NUT	STEEL	#10-32 UNF (MCMMASTER-CARR #95105A135)	1
							B/O	-243	2	SOCKET HEAD CAP SCREW	STEEL	#10-32 X 1-1/4 (MCMMASTER-CARR #91251A349)	1
							B/O	-247	2	LOCK NUT	S.S.	1/2-20 UNF (MCMMASTER-CARR #99638A600)	1
							B/O	-249	4	FLAT WASHER	S.S.	Ø1/2 I.D. AN960-816	1
								-251	3	SLEEVE	BRONZE	1/4 I.D. X 3/8 O.D. X 1/4 (MCMMASTER-CARR #1688K4) MOD.	49
							B/O	-253	2	HEX HEAD CAP SCREW	STEEL	1/4-28 UNF X 1/2 (MCMMASTER-CARR #92620A562)	1
							B/O	-255	2	SOCKET HEAD CAP SCREW	STEEL	1/4-28 UNF X 3/4 (MCMMASTER-CARR #92562A588)	1
							B/O	-257	2	WASHER	STEEL	#10 (MCMMASTER-CARR #91117A201)	47
							B/O	-259	4	#2 DRIVE SCREW	COATED STEEL	1/8 (MCMMASTER-CARR #90081A074)	1
							B/O	-261	4	HEX HEAD CAP SCREW	STEEL	1/4-28 X 3-1/2 (MCMMASTER-CARR #91257A575)	1
							B/O	-263	2	OVERSIZED WASHER	STEEL	Ø1/4 (MCMMASTER-CARR #91090A107)	1
							B/O	-265	2	L-HANDLE BALL LOCK PIN	S.S.	Ø5/16 X 3-1/4 CARR-LANE #CL-5-BLPL-3.50-S-C	1
							B/O	-267	1	PAN HEAD SCREW	STEEL	#10-32 X 7/16 (MCMMASTER-CARR #90272A828)	1
							B/O		1	CRATE-CERTIFIED	WOOD	I.D. (LXWXH) 60 X 28 X 11	N/S
ASSY -149	ASSY -143	ASSY -129	ASSY -119	ASSY -99	ASSY -87	ASSY -81	ASSY -71						

			
TITLE			
TOW DOLLY			
DWG NO. RBW0905G00134-3G-03			REV 5
MAT'L		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125/√	
REAT			
TREAT			
FINISH			
SPEC			
DRAWN BY:	PERRITT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
CHECKED:	MACKOVJAK		
OPPS APPR:	ANDERSON		
QA APPR:	LINDSAY		
APPROVED:	GILBERT		
		USED ON MODEL	
		AGUSTA AW139	
SCALE	1:12	DATE	2/12/2010
		SHEET 2 OF 49	

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REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	



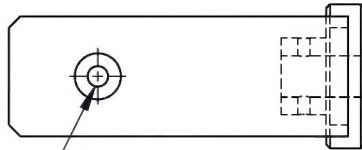
(-065)

TONGUE SHEAR BOLT HOLDER

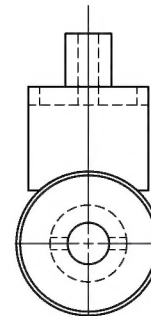
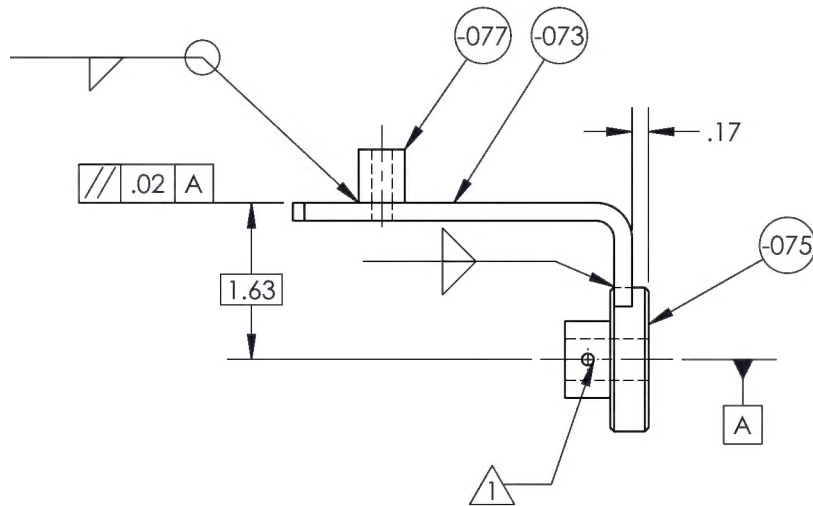
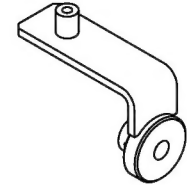
DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-065	REV 5
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH CLEAR ANODIZE	.XX ± .01 ANGLES ± 5°
SPEC MIL-A-8625F, TYPE II, CLASS I	.X ± .1 SURFACES = 125✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA AW139
SCALE 1:1	DATE 11/19/2012
SHEET 3 OF 49	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



ALIGN HOLES



NOTE:

1 ORIENTATION NOT CRITICAL, ALIGN AS SHOWN BY EYE.

(-071)

PIN SLIDE WELDMENT

DART
AEROSPACE

TITLE

TOW DOLLY

DWG NO.

RBW0905G00134-3G-03-071

REV

5

MAT'L

TREAT

FINISH

SPEC

DRAWN BY:

CHECKED:

OPPS APPR:

QA APPR:

APPROVED:

SCALE

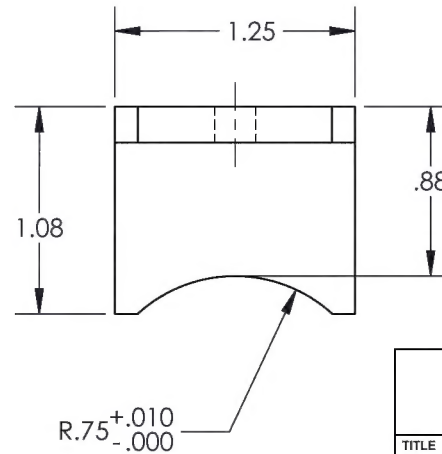
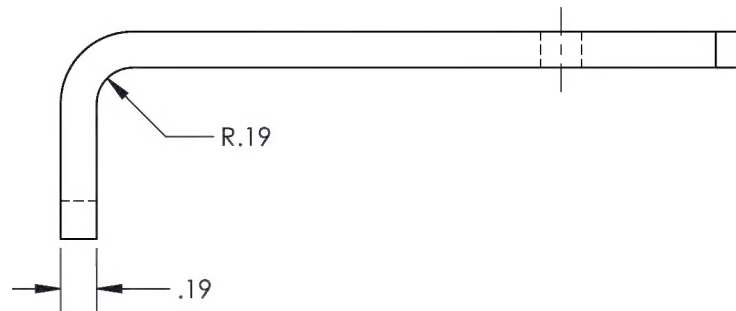
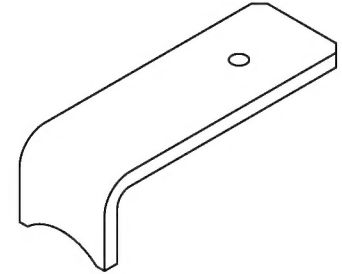
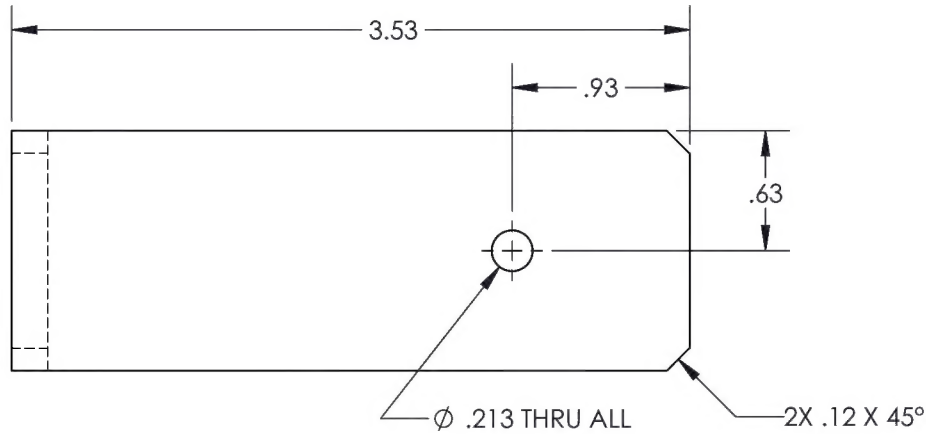
DATE

SHEET

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/8
.XX ± .01	ANGLES ± .5°
.X ± .1	SURFACES = 125
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL	
AGUSTA AW139	
1:2	2/12/2010
SHEET 4 OF 49	

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

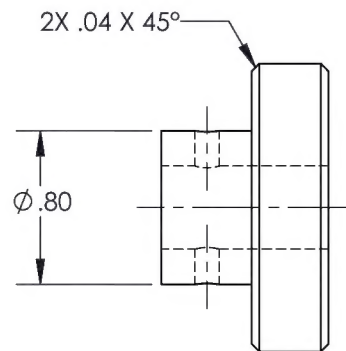
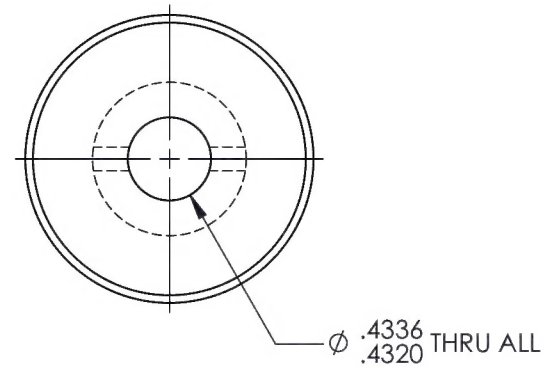
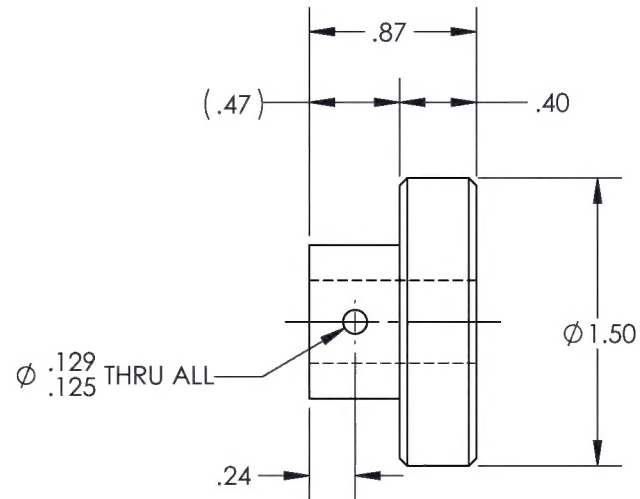


(-073)
SLIDE BAR

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-073	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -071 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:1	DATE 1/31/2013
	SHEET 5 OF 49

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



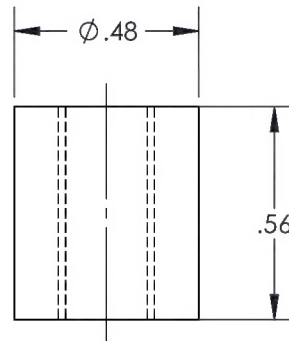
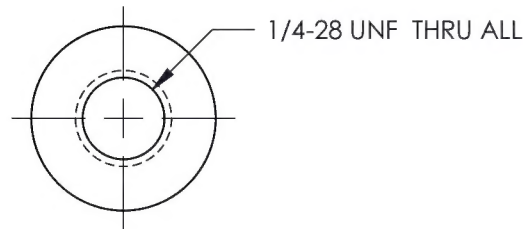
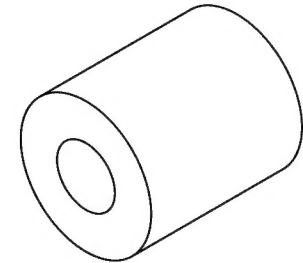
(-075)

PIN ATTACHMENT

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-075	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -071 WELDMENT	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125°
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	DATE 11/20/2012
	SHEET 6 OF 49

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



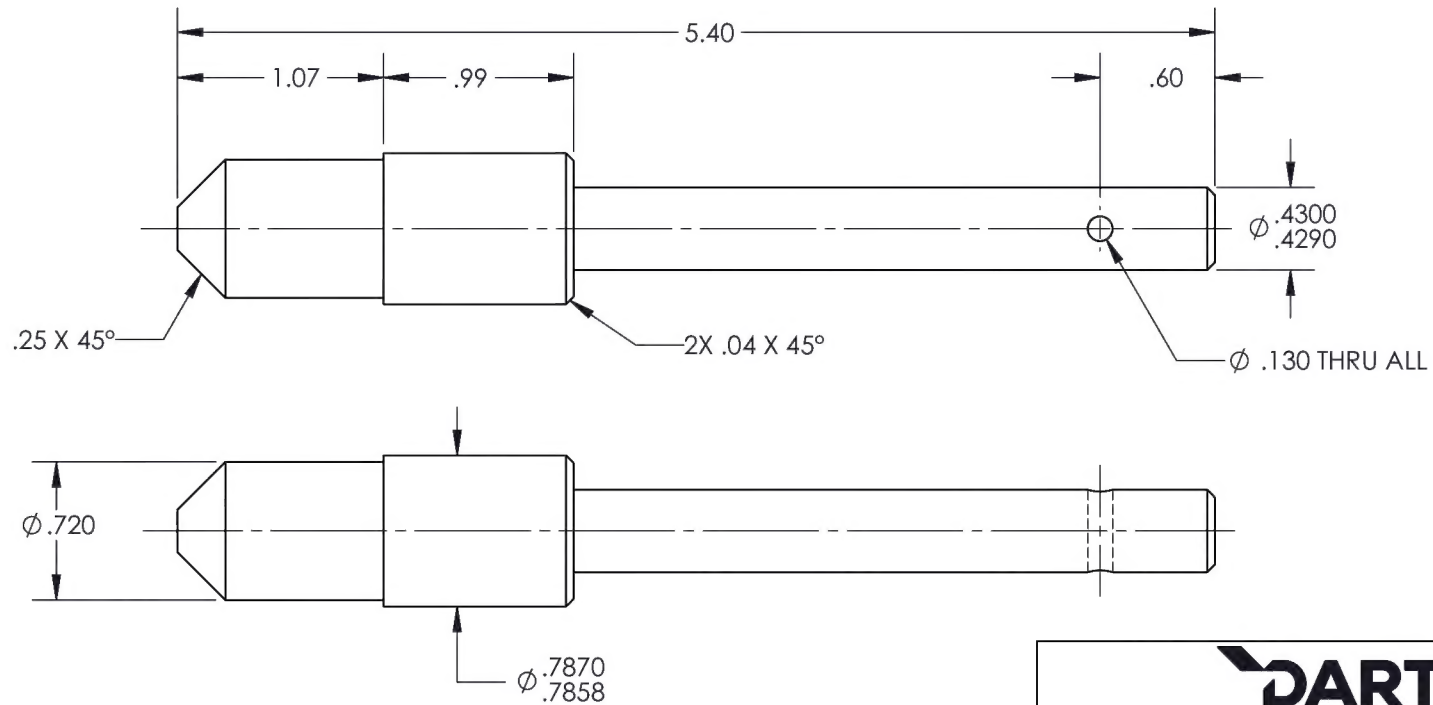
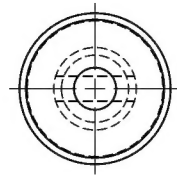
(-077)

BUSHING

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-077	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -071 WELDMENT	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 2:1	DATE 11/19/2012
	SHEET 7 OF 49

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



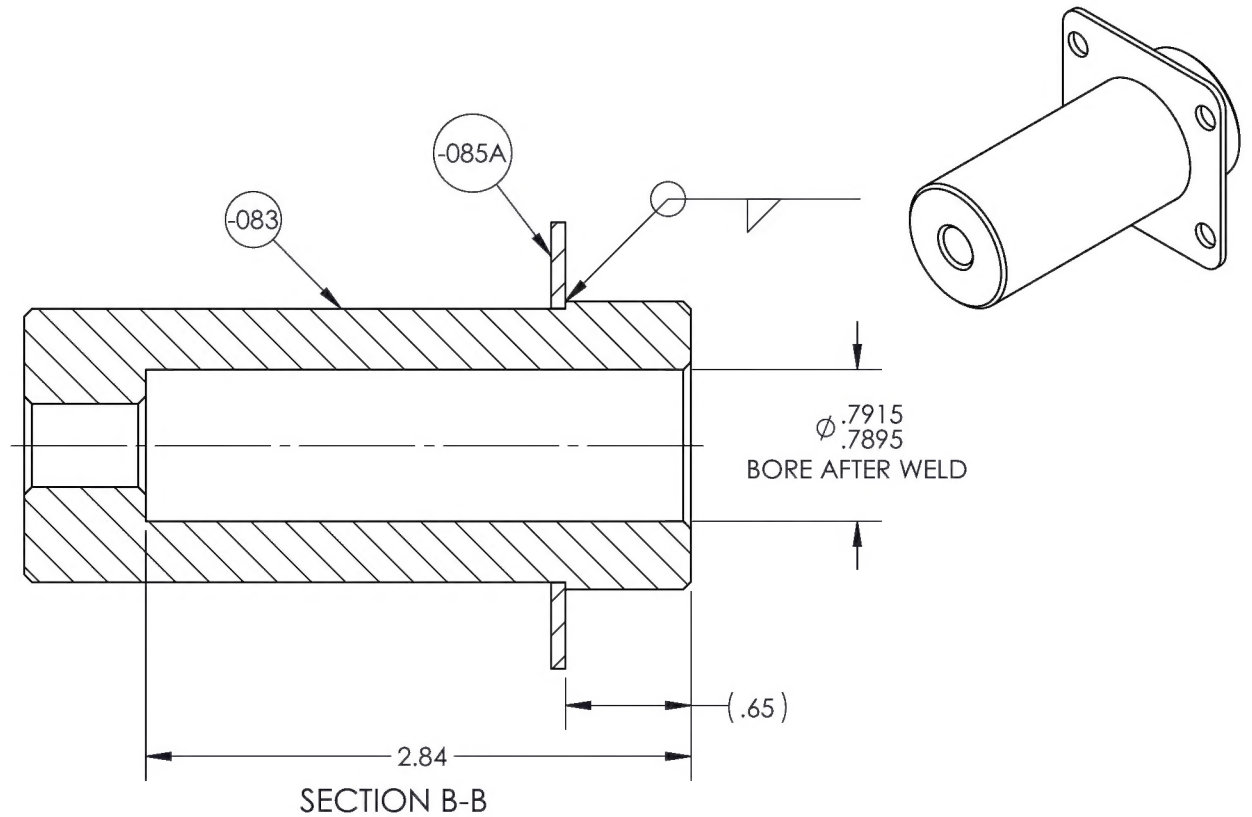
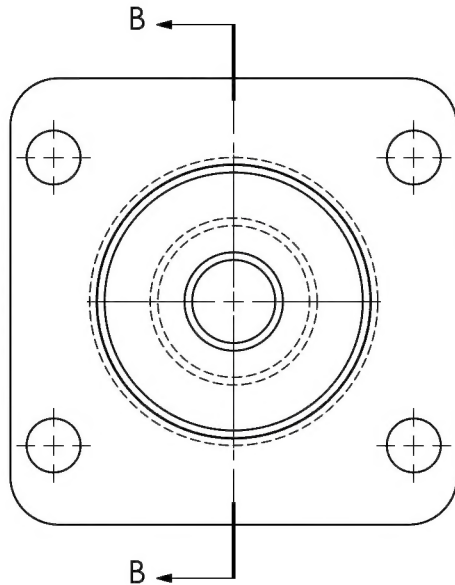
TITLE		TOW DOLLY	
DWG NO.	RBW0905G00134-3G-03-079		REV 5
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED		
HEAT TREAT RC 40-45	DIMENSIONS ARE IN INCHES		
FINISH YELLOW ZINC PLATE	.XXX ± .005 FRACTIONS ± 1/8		
SPEC ASTM B633 TYPE II SC 2	.XX ± .01 ANGLES ± 5°		
DRAWN BY: GILBERT	.X ± .1 SURFACES = 125°		
CHECKED: MACKOVJAK	1. BREAK ALL SHARP EDGES		
OPPS APPR: ANDERSON	.015 x 45° OR .015R		
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY		
APPROVED: GILBERT	AFTER PLATING		
SCALE 1:1	DATE 11/28/2012	USED ON MODEL	
		AGUSTA AW139	
		SHEET 8 OF 49	

(-079)

PIN

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
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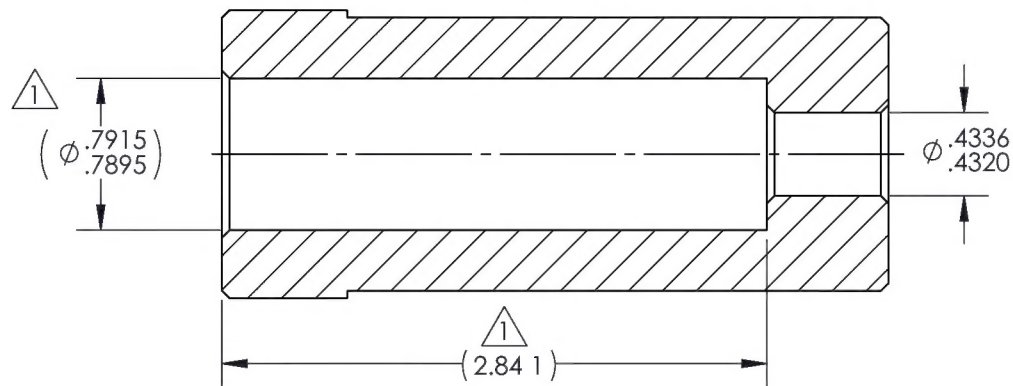
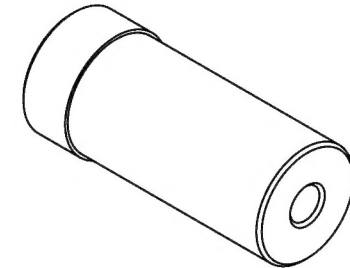
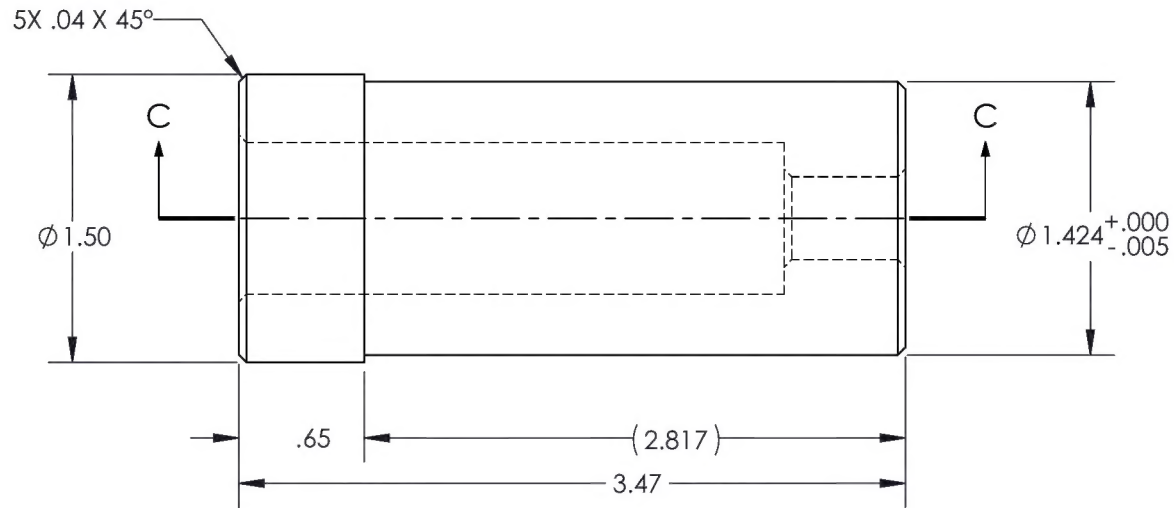
(-081)

PIN HOUSING WELDMENT

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-081	REV 5
MAT'L REPT TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° ASTM B633 TYPE II SC 2
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA AW139
SCALE 1:1	DATE 1/30/2013
SHEET 9 OF 49	

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REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED



SECTION C-C

(-083)

PIN HOUSING

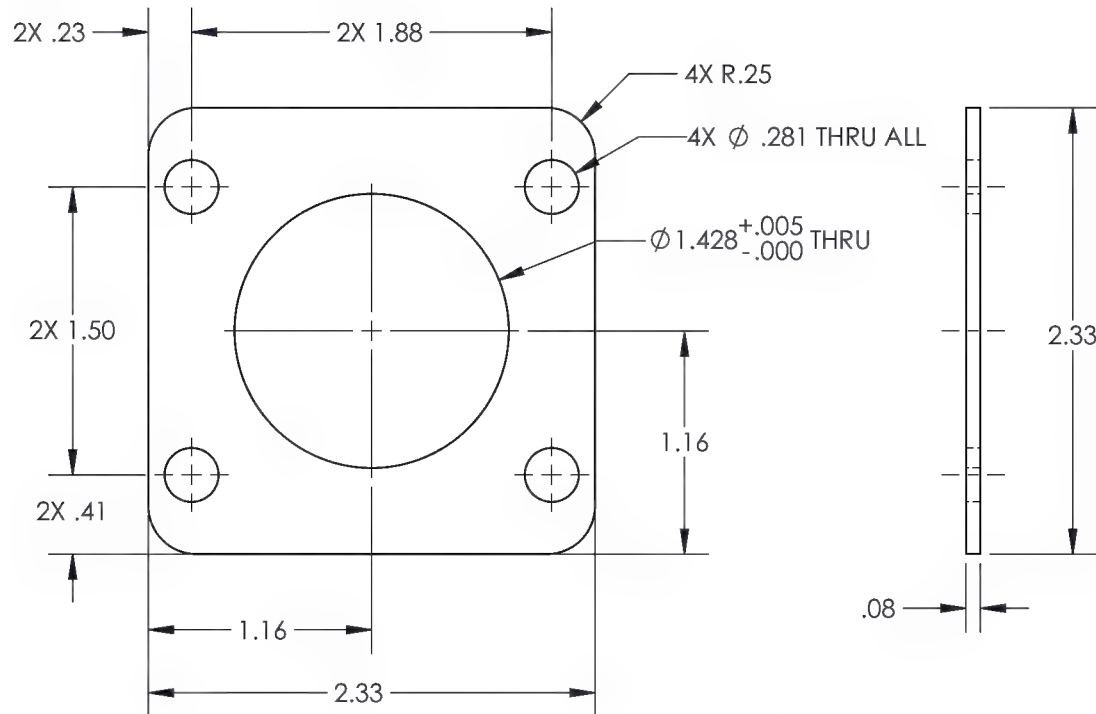
NOTE:

1 AFTER WELDING SEE -81 FINISH BORE TO ACHIEVE DIMENSION

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-083	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH SEE -81 WELDMENT	.XX ± .01 ANGLES ± 5°
SPEC	.X ± .1 SURFACES = 125° ✓
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA AW139
SCALE 1:1	DATE 11/20/2012 SHEET 10 OF 49

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
5	17-0010	-085A & -085B CH'D DIM WAS .23 IS 2X .23, WAS .41 IS 2X .41.	3/18/2017	RJC	JAG



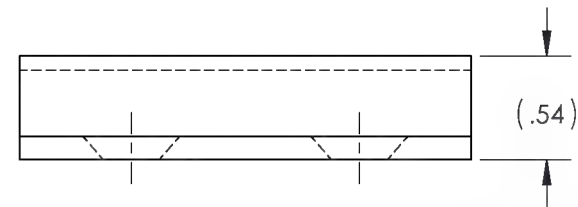
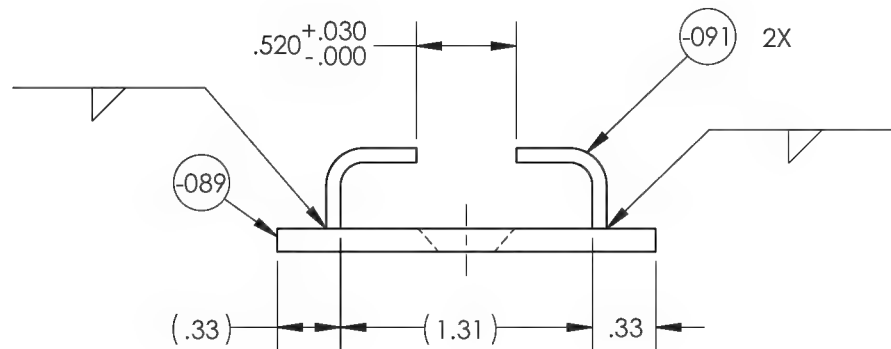
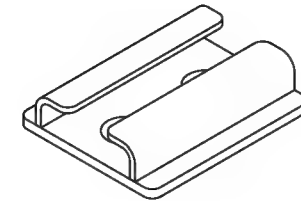
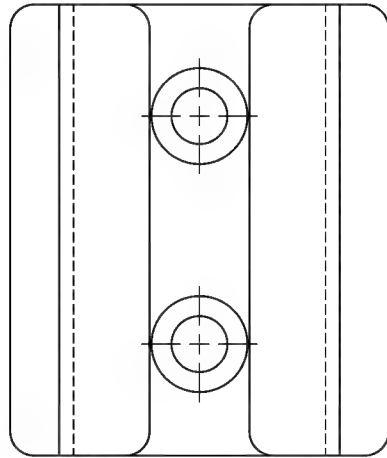
(-085A) (-085B)
HOUSING PLATE

-085A	2	NO FINISH, SEE -81 WELDMENT
-085B	2	YELLOW ZINC .0002 - .0004 FINISH

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-085B	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH SEE TABLE	.XX ± .03 ANGLES ± 1°
SPEC	.X ± .1 SURFACES = 125° ✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA AW139
SCALE 1:1	DATE 11/19/2012
SHEET 11 OF 49	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4	16-0029	-087 CH'D DIM WAS (.52) IS .520 +.030-.000.	2/9/2016	RJC	JAG



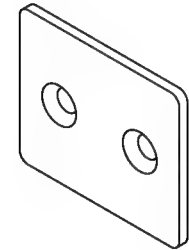
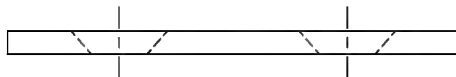
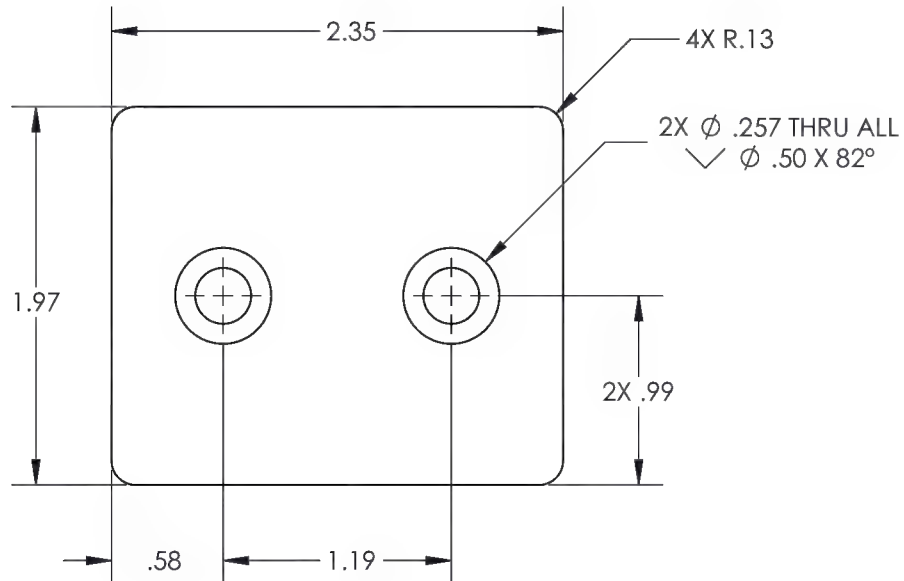
-087

GUIDE WELDMENT

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-087	REV 5
MAT'L ASTM B633 TYPE II SC 2	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125°
HEAT TREAT YELLOW ZINC PLATE	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
FINISH ASTM B633 TYPE II SC 2	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
DRAWN BY: MARPET	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA AW139
SCALE 1:1	DATE 1/30/2013
SHEET 12 OF 49	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4	16-0029	-089 CH'D COUNTERSINK WAS ✓ Ø.47 IS ✓ Ø.50.	2/9/2016	RJC	JAG

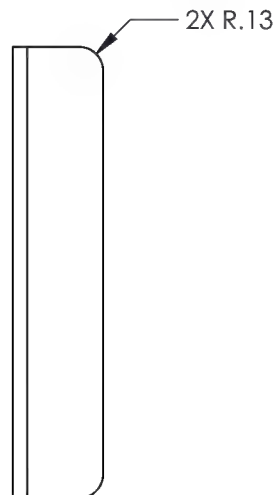
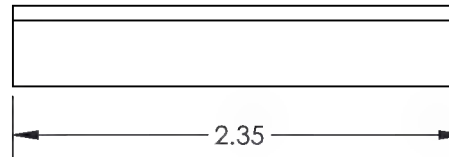
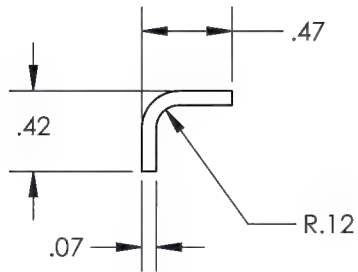
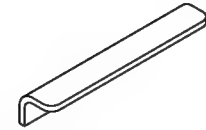


(-089)
GUIDE PLATE

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-089	REV 5
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -087 WELDMENT	.XXX \pm .010 FRACTIONS \pm 1/8
SPEC	.XX \pm .03 ANGLES \pm 1°
DRAWN BY: CLOUGH	.X \pm .1 SURFACES = 125° <input checked="" type="checkbox"/>
CHECKED: MACKOVJAK	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 11/19/2012	USED ON MODEL
SHEET 13 OF 49	AGUSTA AW139

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



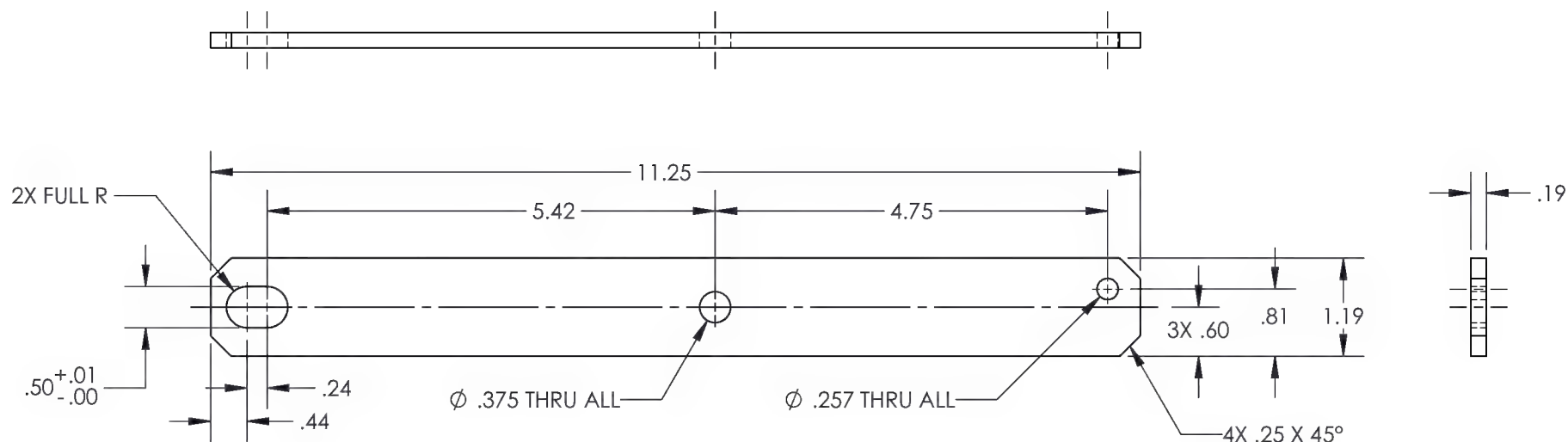
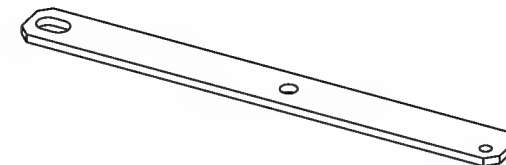
(-091)

GUIDE

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-091	REV 5
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -087 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	USED ON MODEL
DATE 11/19/2012	AGUSTA AW139
SHEET 14 OF 49	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4	16-0029	-093 CH'D DIM WAS .49 IS .50 +.01-.00.	2/9/2016	RJC	JAG
5	17-0010	-093 CH'D DIM WAS 2X .60 IS 3X .60, ADDED DIM 2X FULL R.	3/18/2017	RJC	JAG



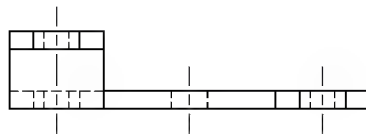
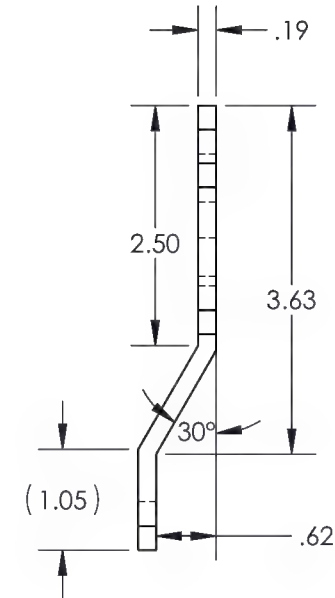
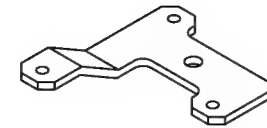
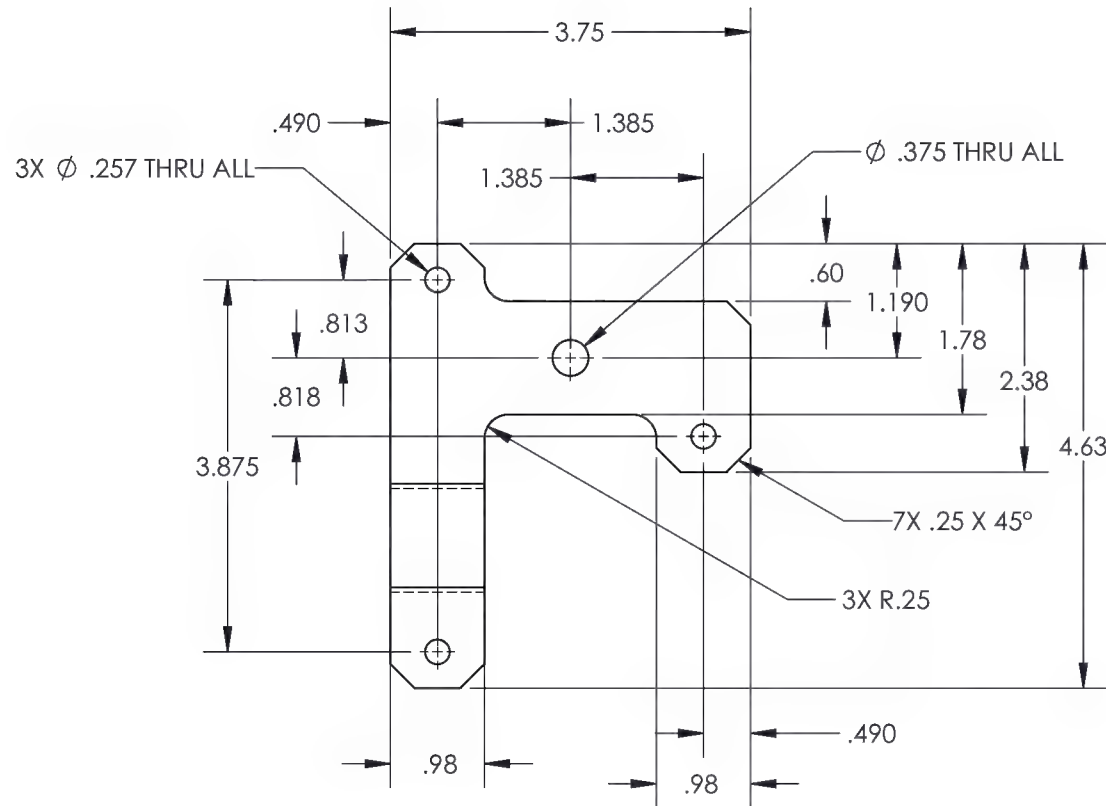
-093

TRANSFER BAR

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-093	REV 5
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH POWDER COAT YELLOW	.XX ± .03 ANGLES ± 1°
SPEC FED #13538	.X ± .1 SURFACES = 125° ✓
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA AW139
SCALE 1:2	DATE 1/24/2013
SHEET 15 OF 49	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



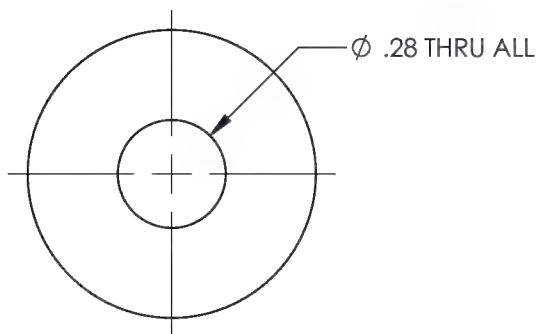
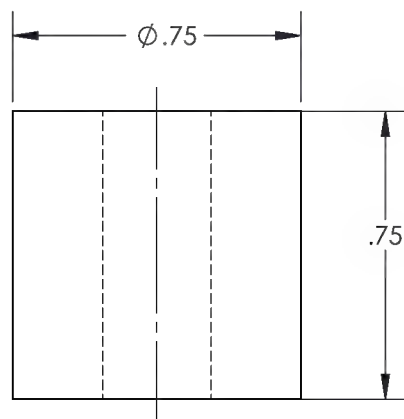
(-095)

TIE ROD PIVOT

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-095	REV 5
MAT'L 6061 TREAT FINISH POWDER COAT YELLOW SPEC FED #13538	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: MARPET CHECKED: MACKOVJAK OPPTS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	
USED ON MODEL AGUSTA AW139	
SCALE 1:2	DATE 1/28/2013
SHEET 16 OF 49	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	14-0228	-097 CH'D CENTER HOLE WAS 1/4-28 UNF THRU IS Ø.28 THRU ALL.	2/2/2015	RJC	JAG



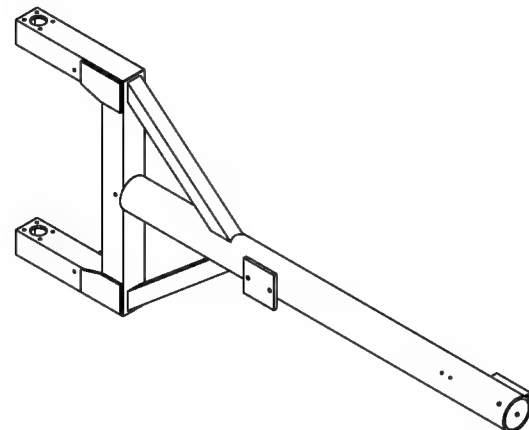
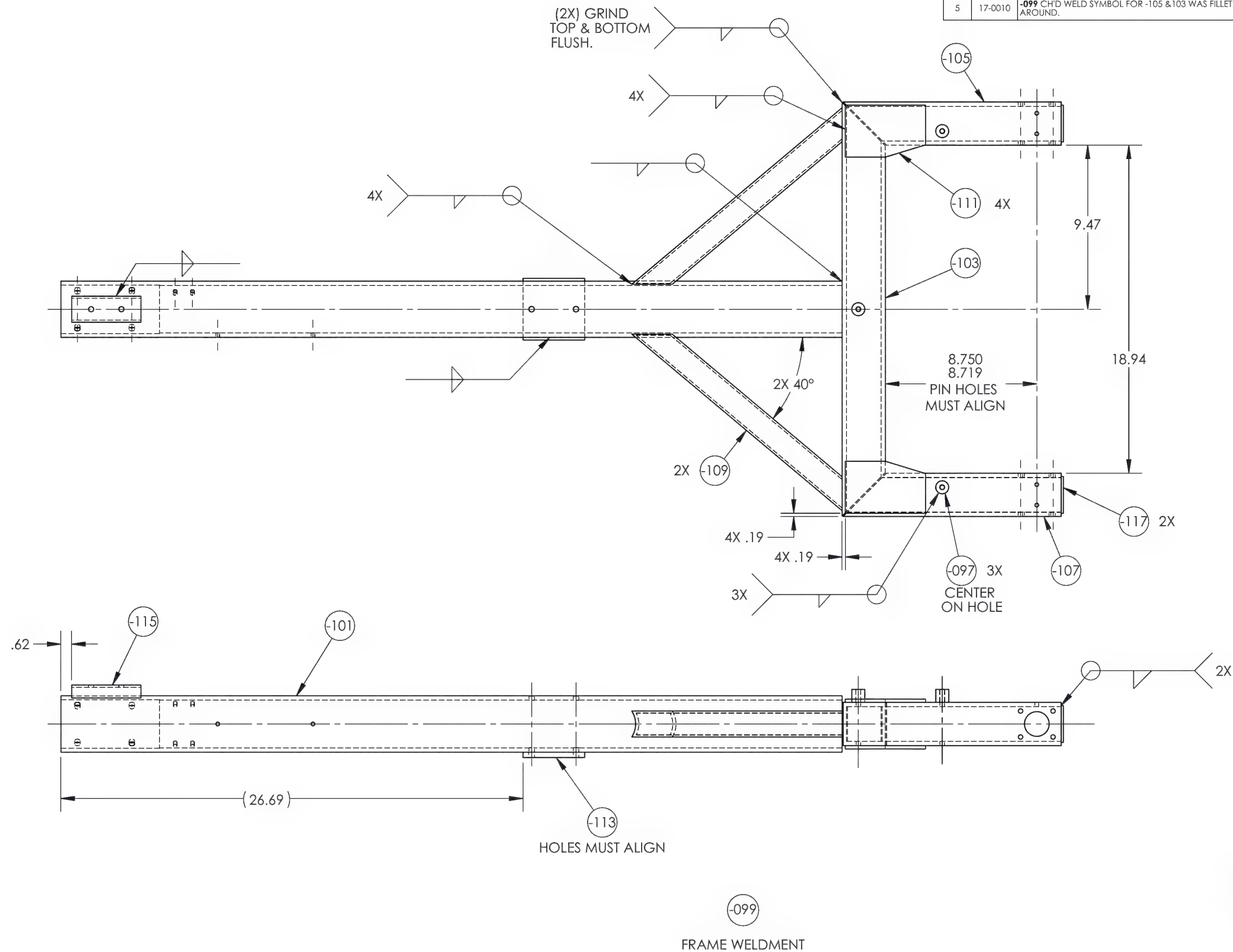
(-097)

RISER

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-097	REV 5
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH SEE -099 WELDMENT	.XX ± .01 ANGLES ±.5°
SPEC	.X ± .1 SURFACES = 125° ✓
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA AW139
SCALE 2:1	DATE 1/24/2013
SHEET 17 OF 49	

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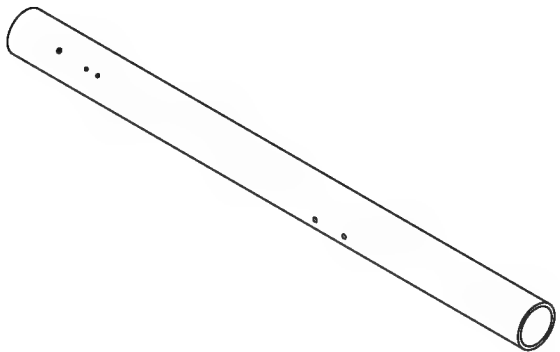
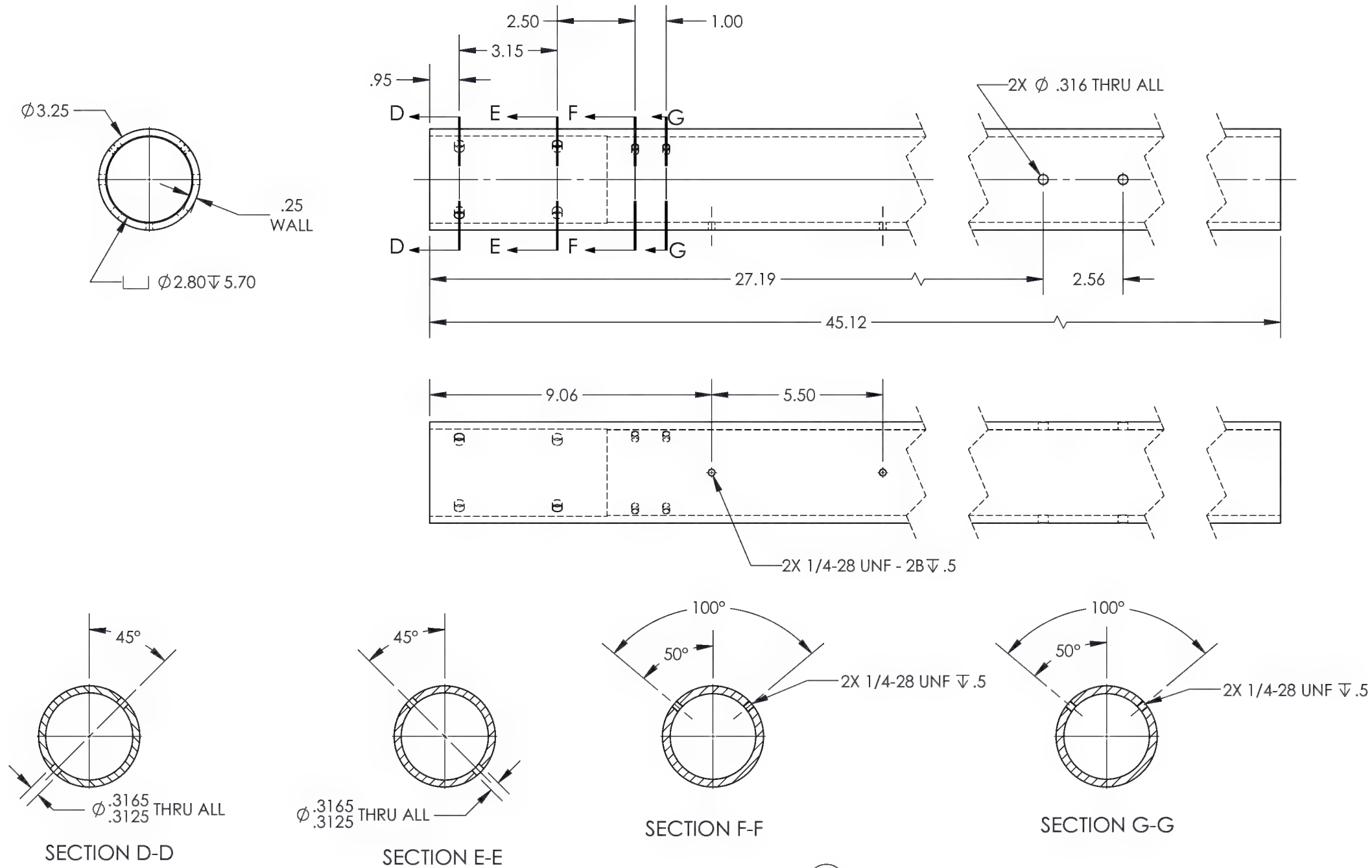
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4	16-0029	-099 CH'D WELD SYMBOL FOR -113.	2/9/2016	RJC	JAG
5	17-0010	-099 CH'D WELD SYMBOL FOR -105 & 103 WAS FILLET WELD ALL AROUND. .06 IS FILLET WELD ALL AROUND.	3/18/2017	RJC	JAG



DART AEROSPACE			
TITLE TOW DOLLY			
DWG NO. RBW0905G00134-3G-03-099			REV 5
MAT'L		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH POWDER COAT YELLOW		.XXX ± .010 FRACTIONS ± 1/8	
SPEC FED #13538		.XX ± .03 ANGLES ± 1°	
DRAWN BY: PERRITT		.X ± .1 SURFACES = 125/	
CHECKED: MACKOVJAK		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY	
APPROVED: GILBERT		AFTER PLATING	
SCALE 1:6		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DATE 2/12/2013		USED ON MODEL	
SHEET 18 OF 49		AGUSTA AW139	

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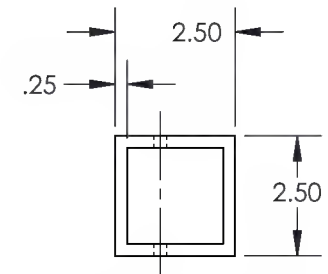
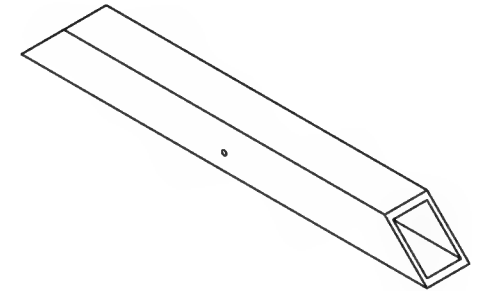
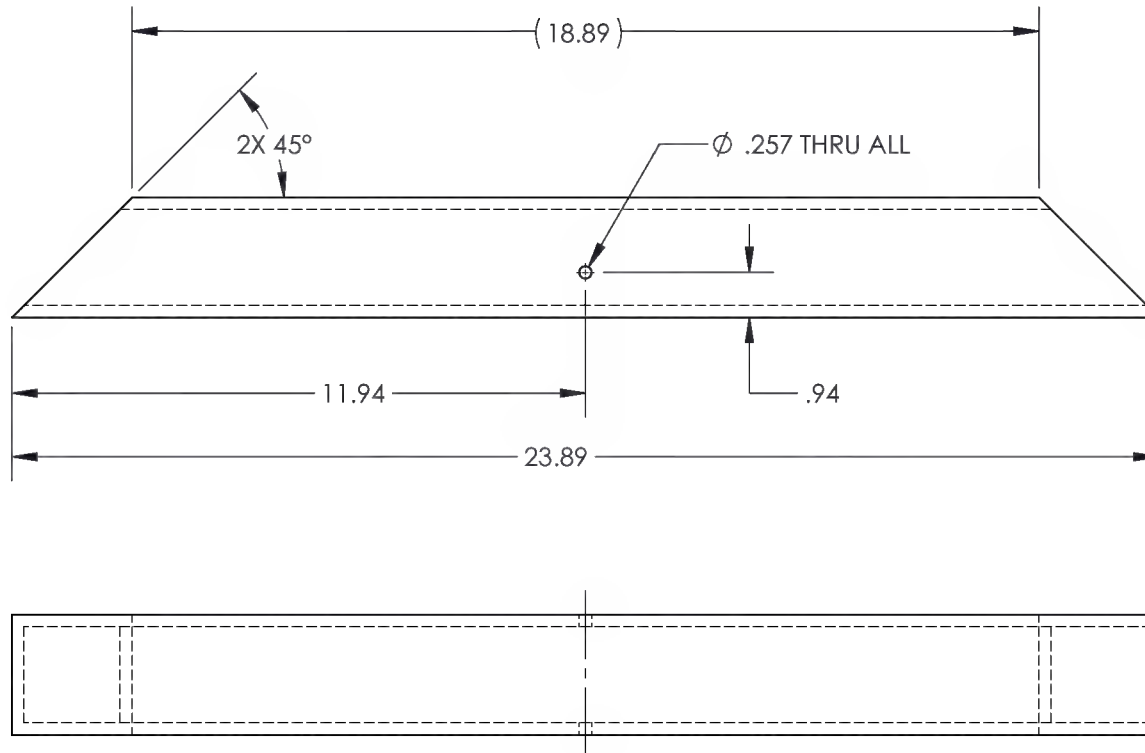
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	14-0228	-101 CH'D DIMENSION WAS 2X Ø.257 THRU ALL IS 2X Ø.316 THRU ALL. ADDED MISSING DIM. 2X 1/4-28 UNF ∇ .5, CHD' DIM SECTION D-D AND E-E WAS Ø.257 THRU ALL IS Ø.3165 - .3125.	2/2/2015	RJC	JAG
5	17-0010	-101 CH'D DIM WAS (.25 WALL) IS .25 WALL.	3/18/2017	RJC	JAG



TITLE			
TOW DOLLY			
DWG NO. RBW0905G00134-3G-03-101			REV 5
MAT'L 6061		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH SEE -.099 WELDMENT		.XXX \pm .005 FRACTIONS \pm 1/8	
SPEC		.XX \pm .01 ANGLES \pm 5°	
DRAWN BY: PERRITT		.X \pm .1 SURFACES = 125✓	
CHECKED: MACKOVJAK		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY	
APPROVED: GILBERT		AFTER PLATING	
SCALE 1:4		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DATE 2/12/2010		USED ON MODEL	
SHEET 19 OF 49		AGUSTA AW139	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL

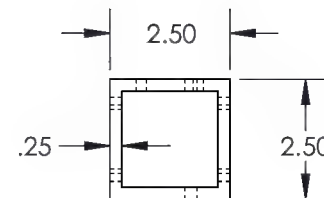
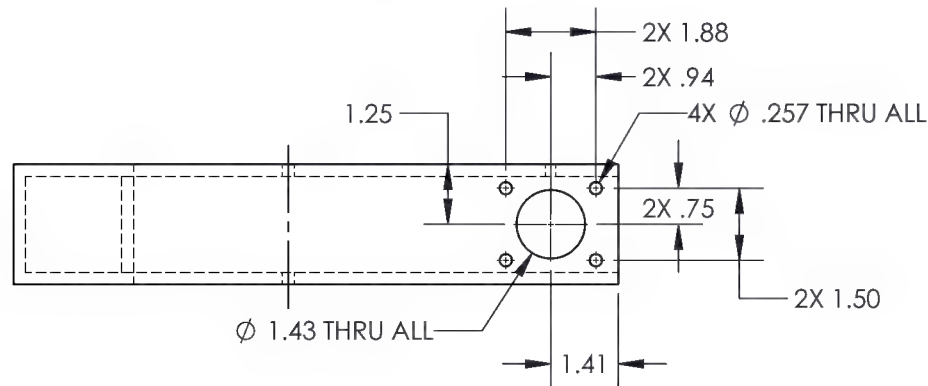
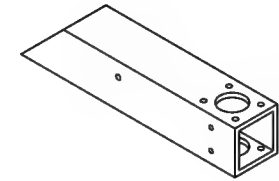
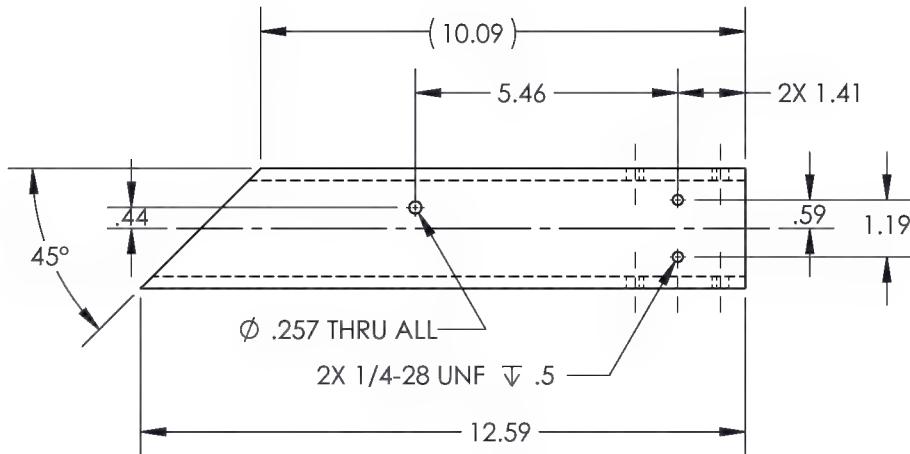


(-103)
FRONT

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBWO905G00134-3G-03-103	REV 5
MAT'L 6061 TREAT FINISH SEE -099 WELDMENT SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: MARPET	USED ON MODEL
CHECKED: MACKOVJAK	AGUSTA AW139
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:4	DATE 1/24/2013
SHEET 20 OF 49	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4	16-0029	-107 DELETED DIM'S .66 & .81, ADDED DIM'S .59 & .44.	2/9/2016	RJC	JAG



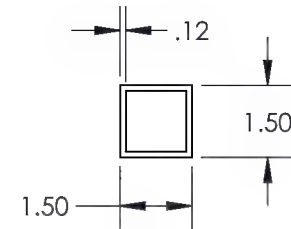
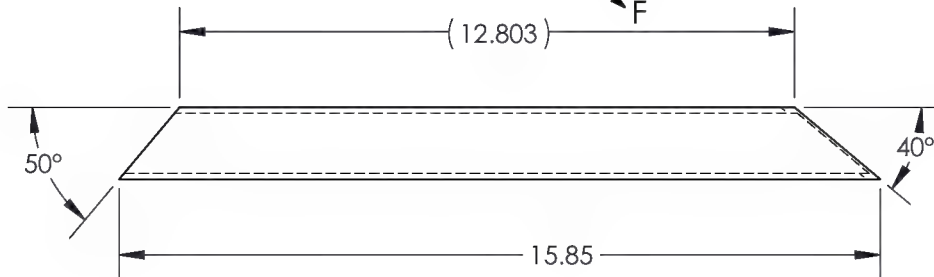
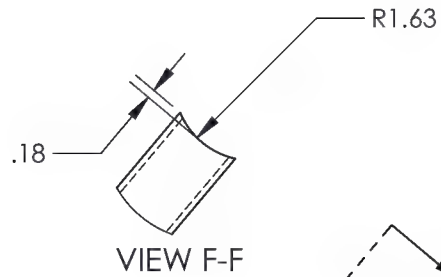
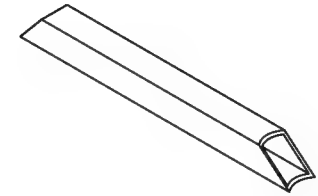
(-107)

LEFT SIDE

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-107	REV 5
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -099 WELDMENT	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:4	DATE 2/12/2010
USED ON MODEL AGUSTA AW139	
SHEET 22 OF 49	

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REVISIONS			
REV	ECR	DESCRIPTION	DATE INITIAL APPROVED



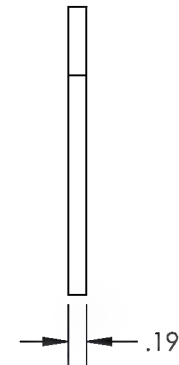
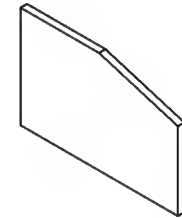
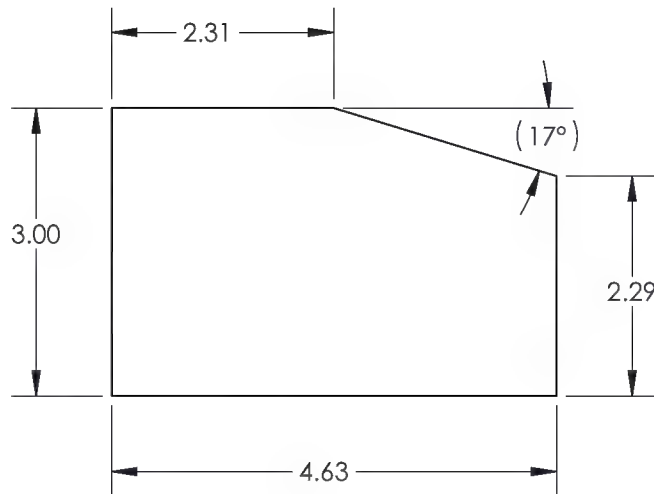
(-109)

BRACE

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-109	REV 5
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH SEE -099 WELDMENT	.XX ± .03 ANGLES ± 1°
SPEC	.X ± .1 SURFACES = 125° ✓
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA AW139
SCALE 1:4	DATE 1/28/2013
SHEET 23 OF 49	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



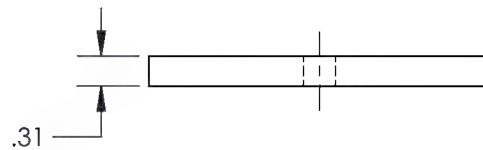
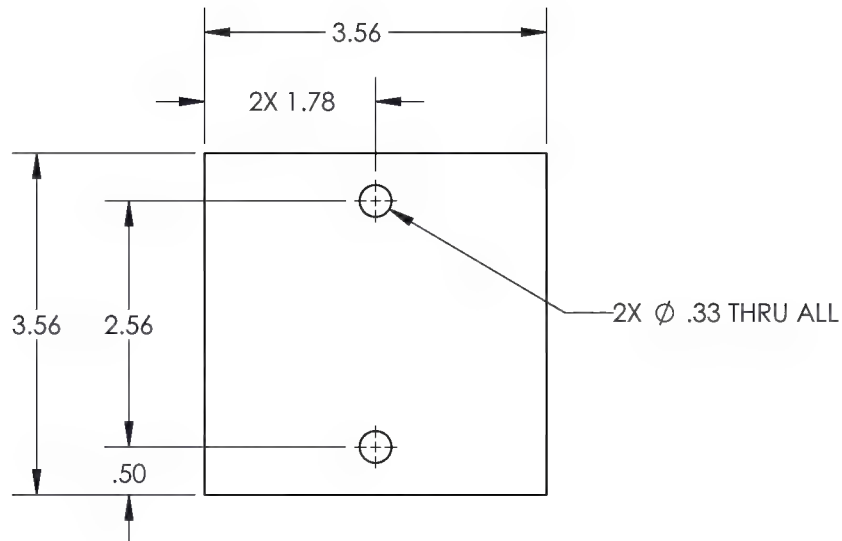
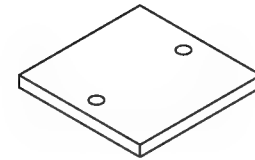
(-111)

GUSSET

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-111	REV 5
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -099 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:2	USED ON MODEL
DATE 1/24/2013	AGUSTA AW139
SHEET 24 OF 49	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	14-0228	-113 CH'D HOLE WAS 2X Ø.257 THRU ALL IS Ø .33.	2/2/2015	RJC	JAG



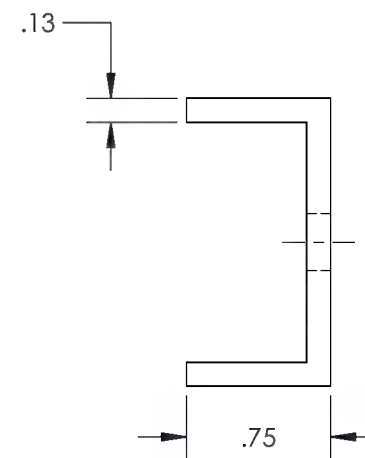
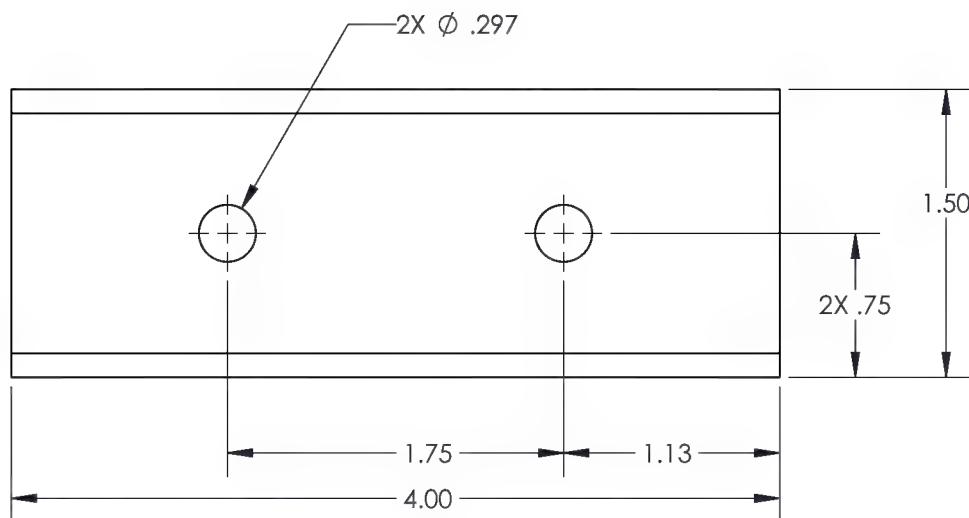
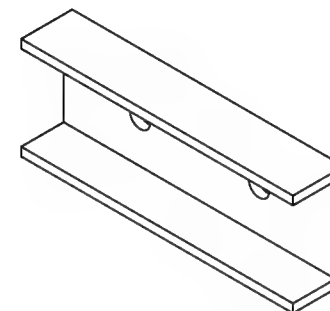
(-113)

WHEEL PLATE

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-113	REV 5
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -099 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:2	DATE 1/24/2013
	SHEET 25 OF 49

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	14-0228	-115 CH'D MATERIAL WAS 6061 IS 6063.	2/2/2015	RJC	JAG

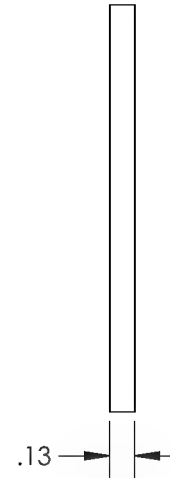
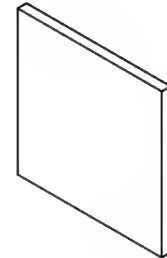
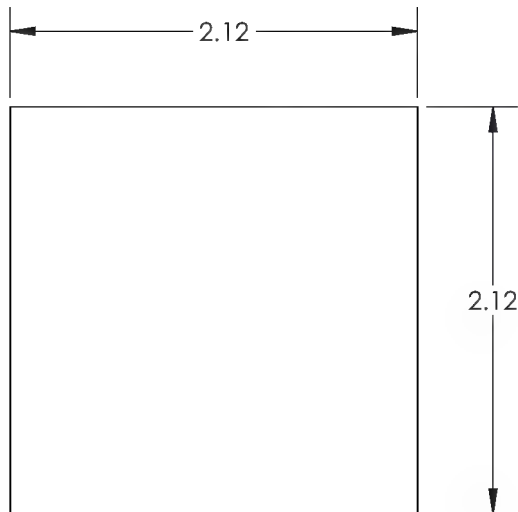


(-115)
CHANNEL

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-115	REV 5
MAT'L 6063	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -099 WELDMENT	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
DRAWN BY: MARPET	.X ± .1 SURFACES = 125° ✓
CHECKED: MACKOVJAK	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 1/24/2013	USED ON MODEL
SHEET 26 OF 49	AGUSTA AW139

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

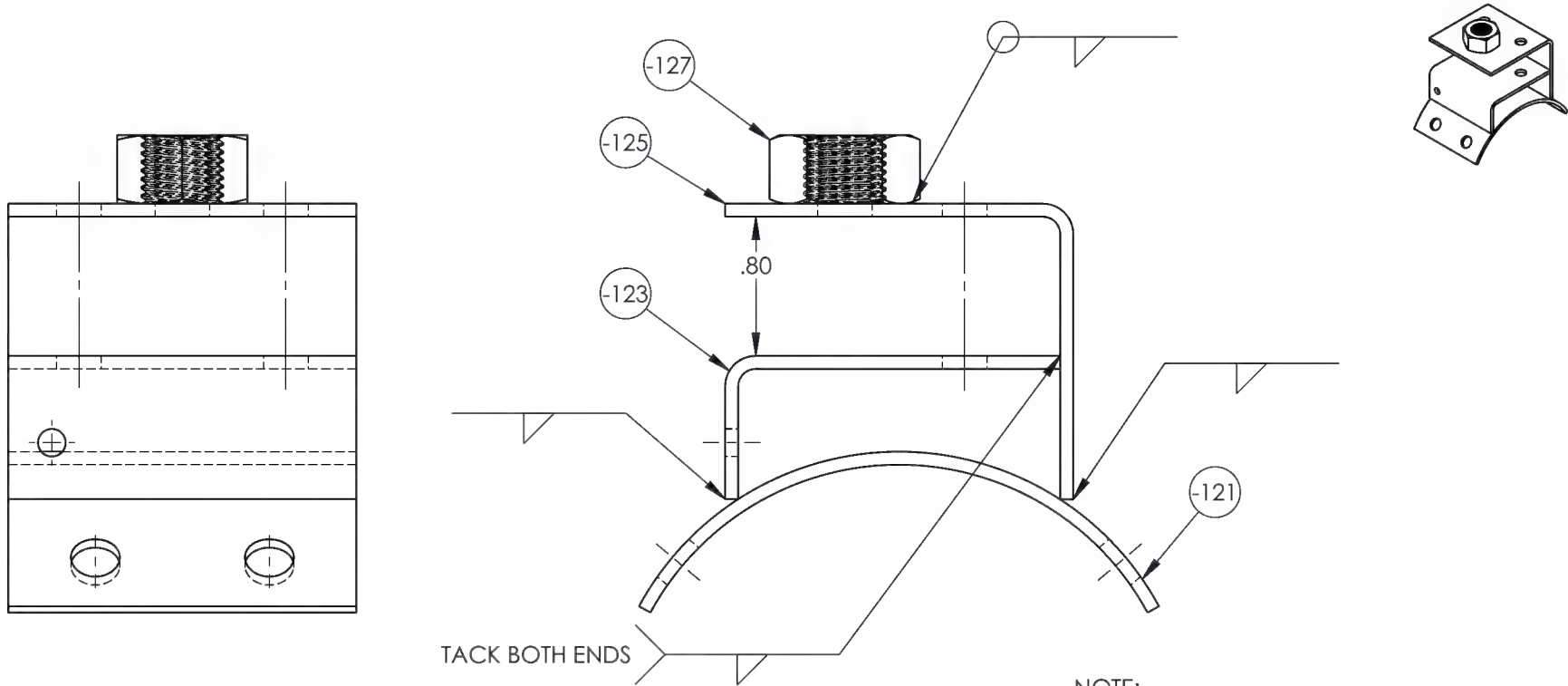


(-117)
END CAP

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-117	REV 5
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -099 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:1	USED ON MODEL
DATE 1/24/2013	AGUSTA AW139
SHEET 27 OF 49	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
2A	14-0158	-119 ADDED NOTE.	9/24/2014	DJN
				JAG



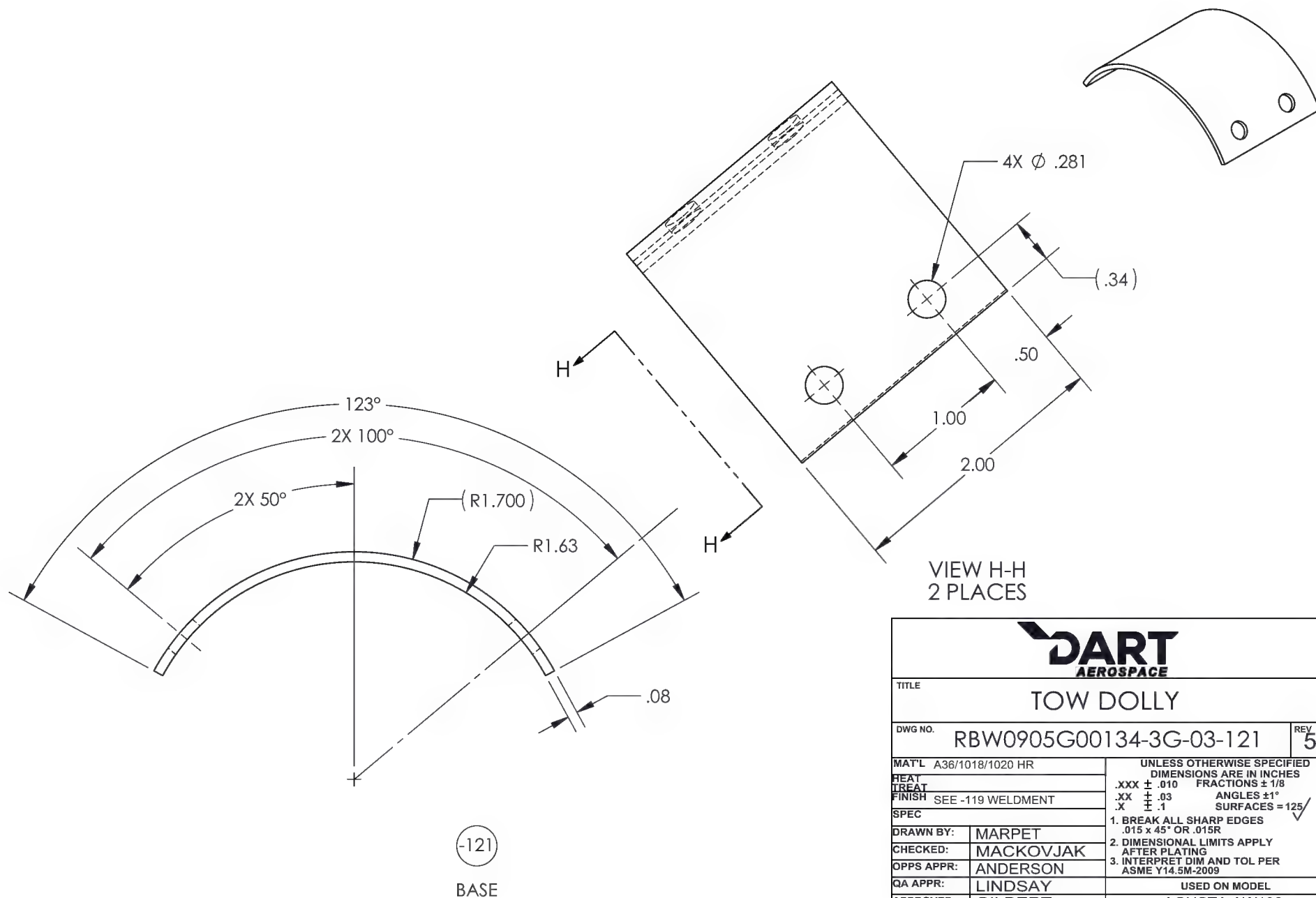
NOTE:
CENTER -123, -125 ON -121.

-119
HANDLE BRACKET WELDMENT

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-119	REV 5
MAT'L 6061-T6 ALUMINUM	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FINISH POWDER COAT YELLOW	.XXX ± .010 FRACTIONS ± 1/8
SPEC FED #13538	.XX ± .03 ANGLES ± 1°
DRAWN BY: MARPET	.X ± .1 SURFACES = 125° ✓
CHECKED: MACKOVJAK	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
QA APPR: LINDSAY	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
APPROVED: GILBERT	USED ON MODEL AGUSTA AW139
SCALE 1:1	DATE 1/28/2013
SHEET 28 OF 49	

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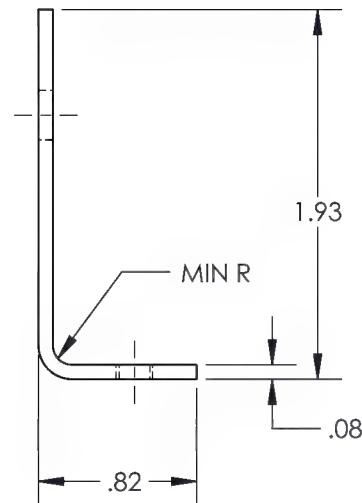
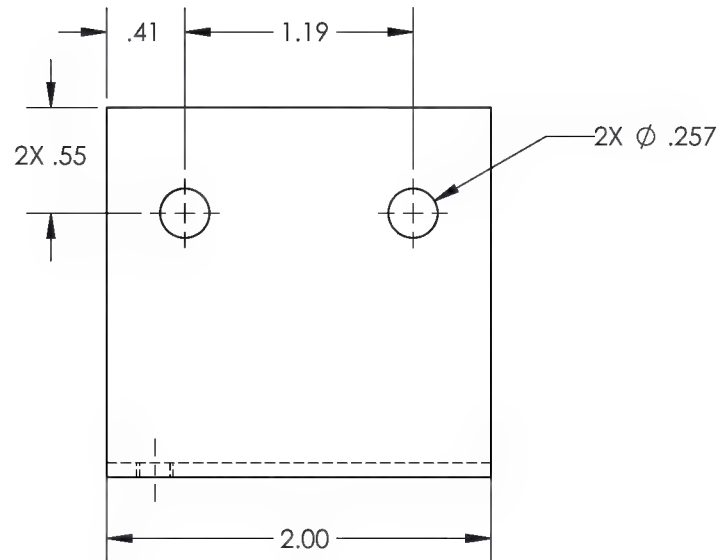
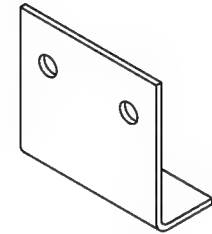
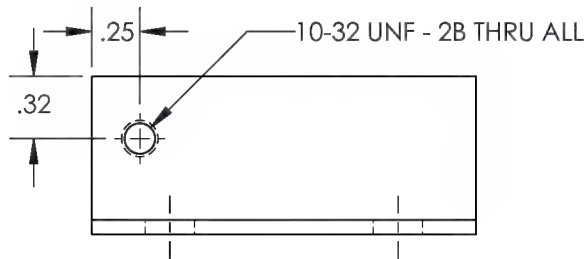
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2A	14-0158	-121 ADDED AUX VIEW.	9/24/2014	DJN	JAG



DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-121	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH SEE -119 WELDMENT	.XX ± .03 ANGLES ± 1°
SPEC	.X ± .1 SURFACES = 125° ✓
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA AW139
SCALE 1:1	DATE 1/23/2013
SHEET 29 OF 49	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
4	16-0029	-123 ADDED #10-32 HOLE.	2/9/2016	RJC
				JAG



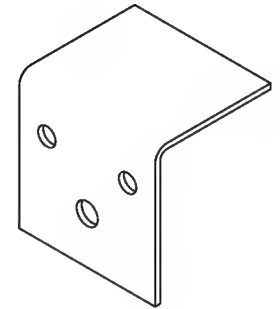
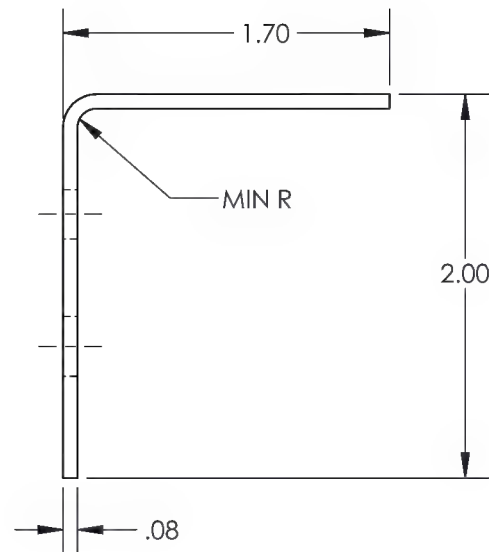
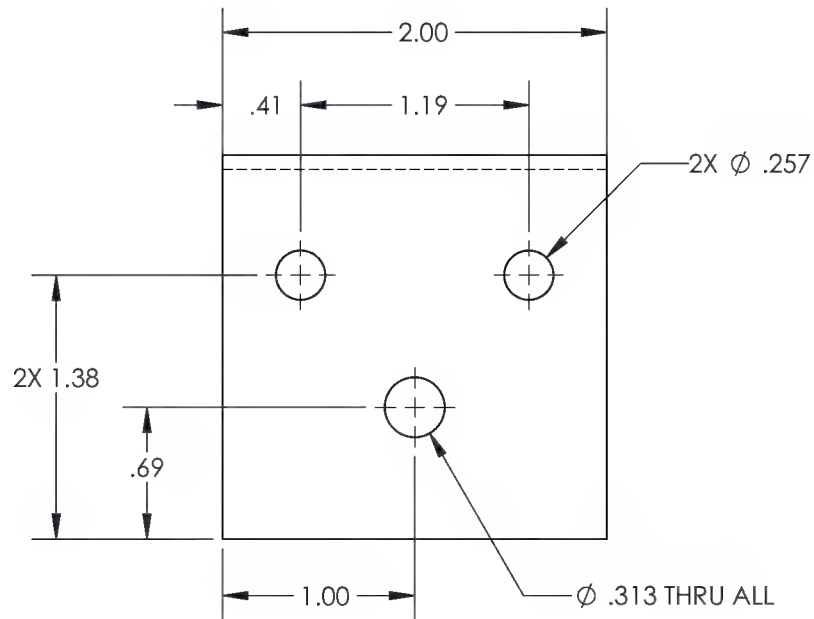
-123

INSIDE

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-123	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -119 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	DATE 1/24/2013
	SHEET 30 OF 49

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REV	ECR	DESCRIPTION	DATE	INITIAL

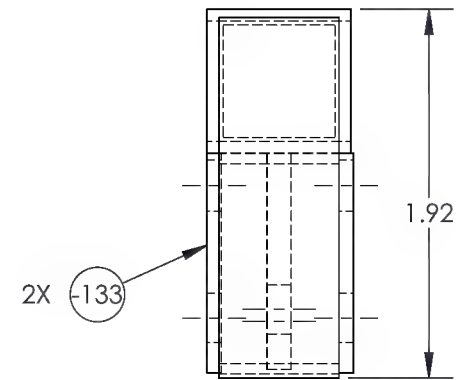
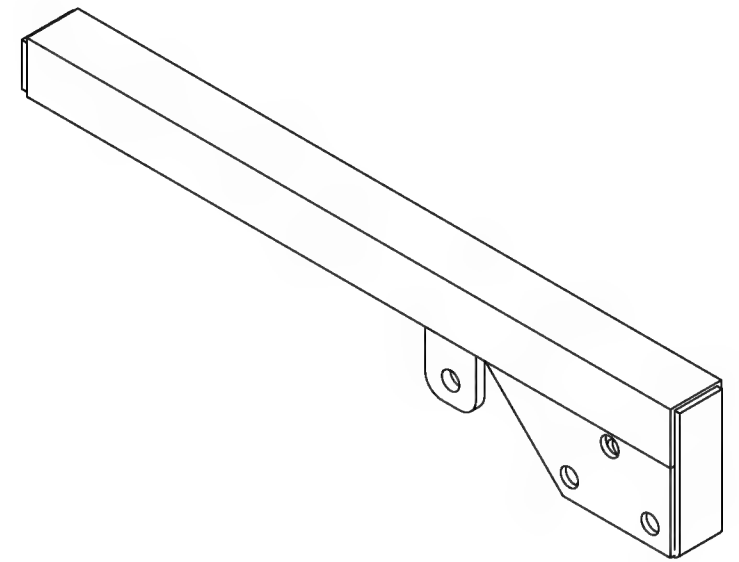
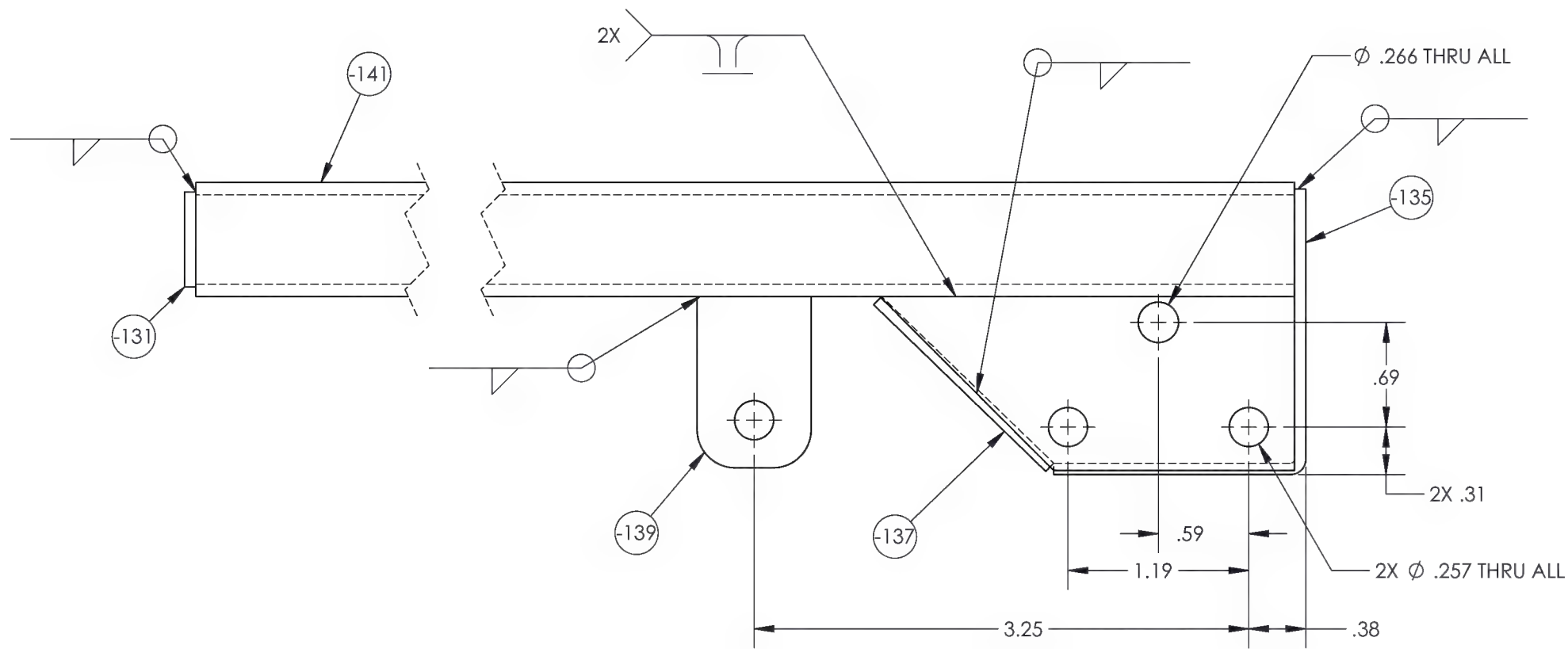


-125
OUTSIDE

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-125	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -119 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	DATE 1/24/2013
	SHEET 31 OF 49

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED

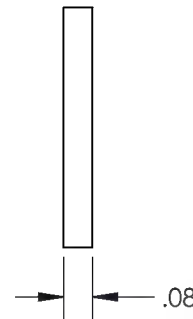
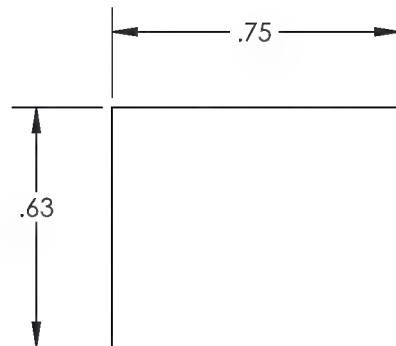
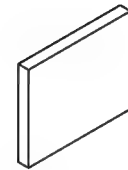


-129
HANDLE WELDMENT

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-129	REV 5
MAT'L HEAT TREAT FINISH POWDER COAT YELLOW SPEC FED #13538	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ±1° .X ± .1 SURFACES = 125°
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA AW139
SCALE 1:1	DATE 1/29/2013
SHEET 32 OF 49	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



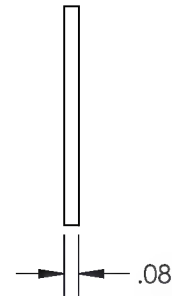
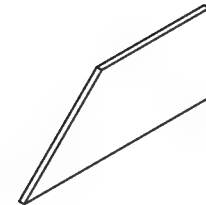
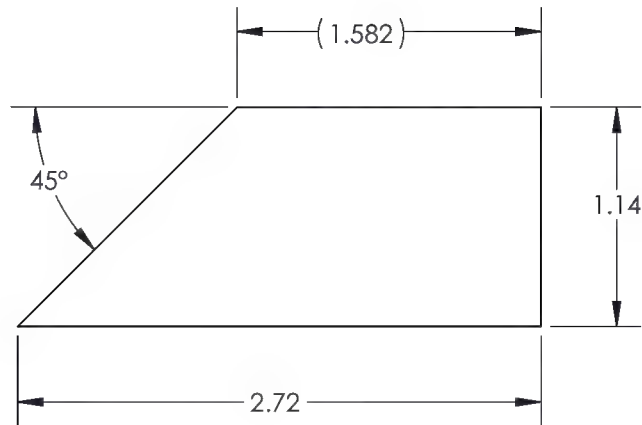
(-131)

END CAP

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-131	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -129 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 2:1	USED ON MODEL
DATE 1/24/2013	AGUSTA AW139
SHEET 33 OF 49	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



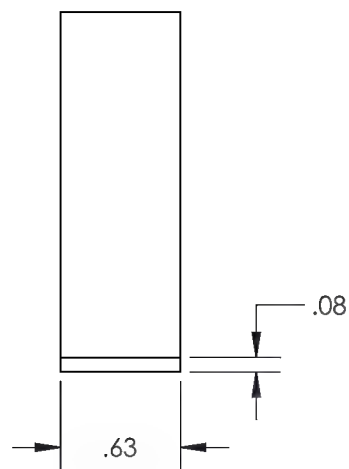
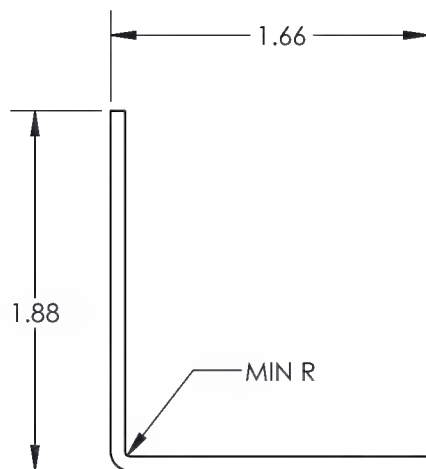
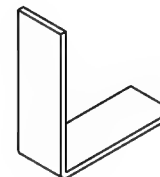
(-133)

SIDE PLATE

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-133	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -129 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	USED ON MODEL
DATE 1/24/2013	AGUSTA AW139
SHEET 34 OF 49	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



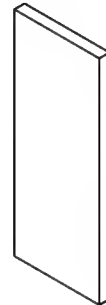
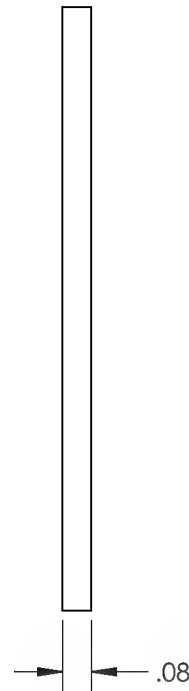
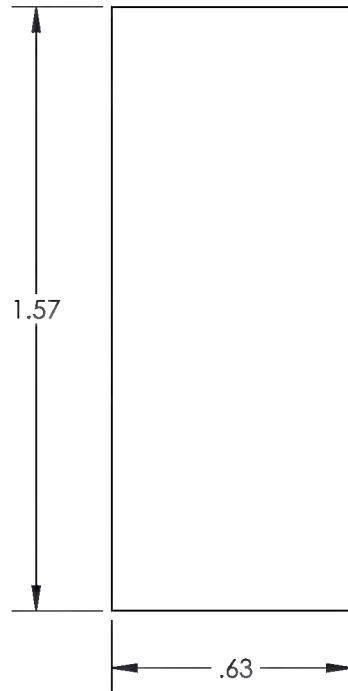
-135

BACK END

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-135	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -129 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	DATE 1/24/2013
	SHEET 35 OF 49

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



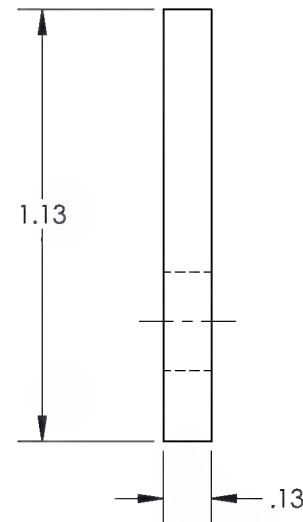
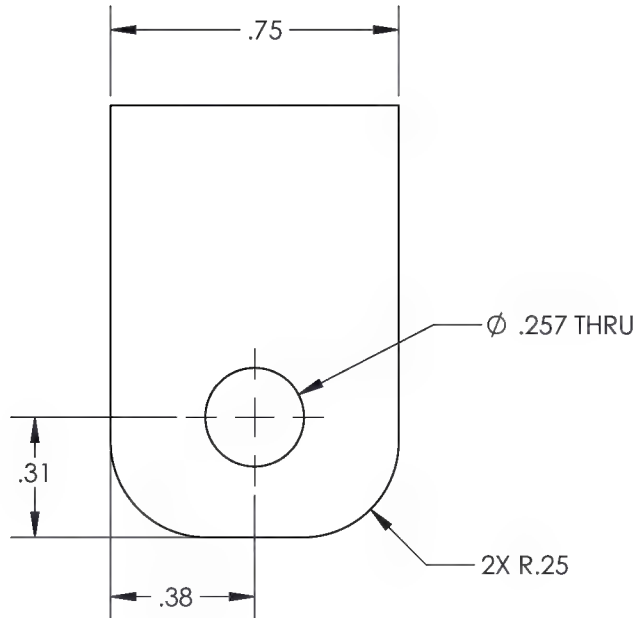
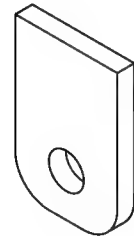
(-137)

FRONT END

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-137	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -129 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 2:1	DATE 1/24/2013
	SHEET 36 OF 49

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



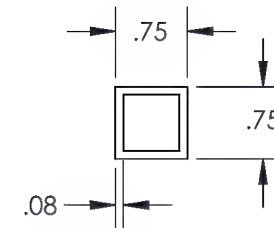
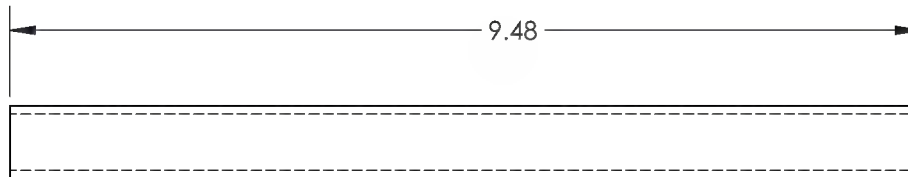
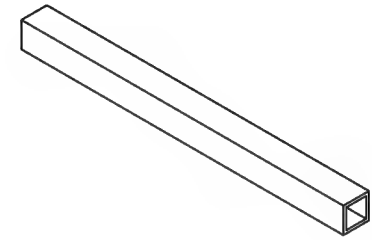
-139

TAB

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-139	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -129 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 2:1	DATE 1/24/2013
	SHEET 37 OF 49

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

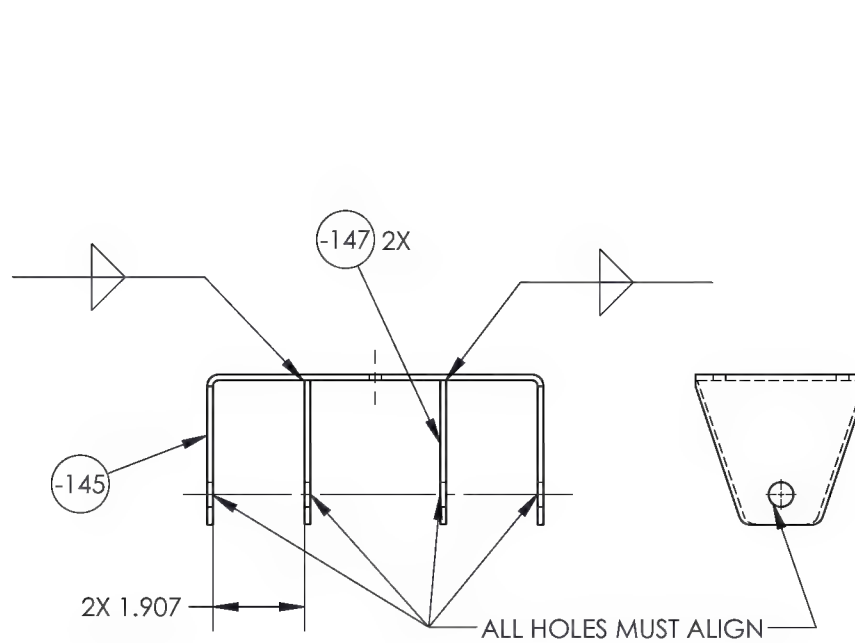


(-141)
HANDLE

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-141	REV 5
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -129 WELDMENT	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	AGUSTA AW139
SCALE 1:2	DATE 1/24/2013
	SHEET 38 OF 49

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

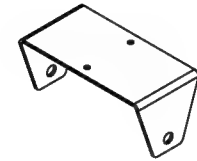
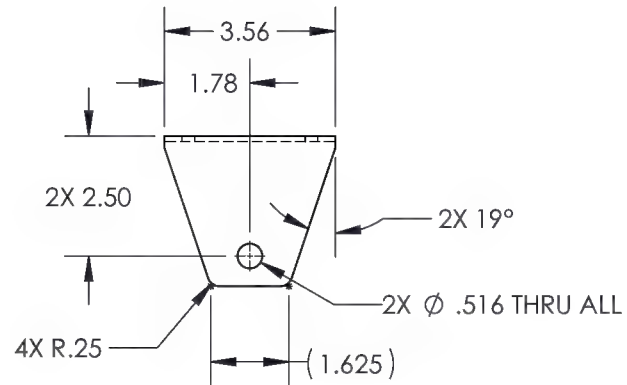
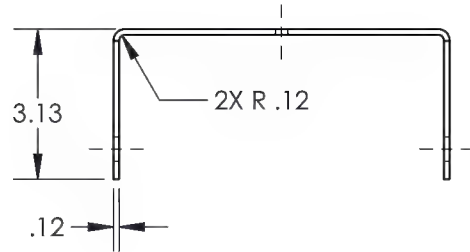
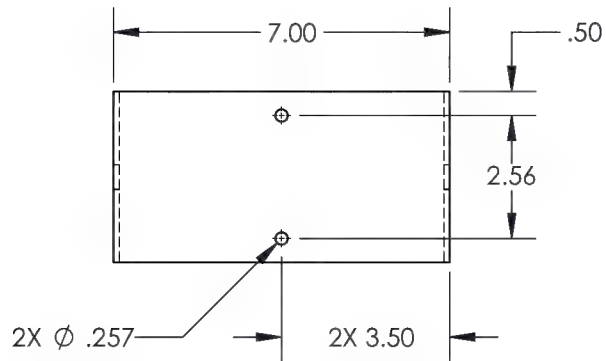


(-143)
FRONT WHEEL BRACKET WELDMENT

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-143	REV 5
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
TREAT POWDER COAT YELLOW	
FINISH POWDER COAT YELLOW	
SPEC FED #13538	
DRAWN BY: MARPET	
CHECKED: MACKOVJAK	USED ON MODEL AGUSTA AW139
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:4	DATE 1/29/2013
SHEET 39 OF 49	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2A	14-0158	-145 CH'D DIM WAS R.12 IS 2X R.12.	9/24/2014	DJN	JAG



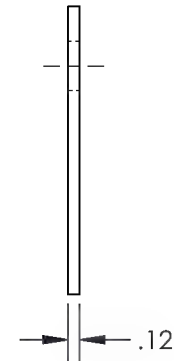
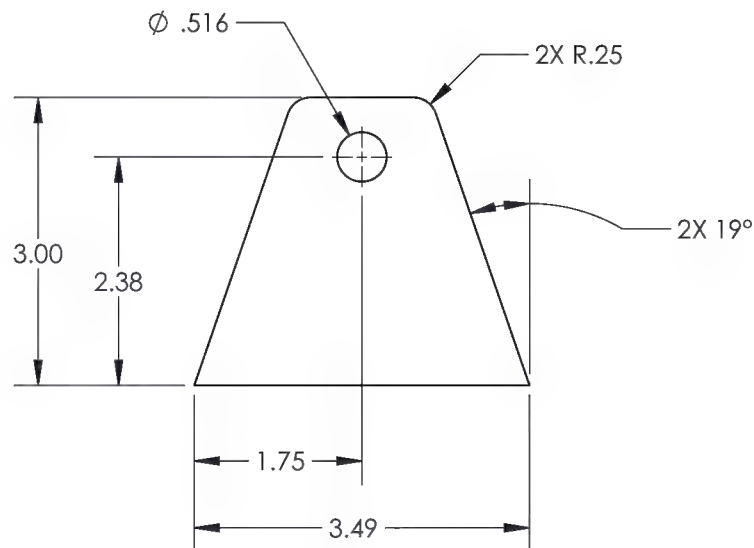
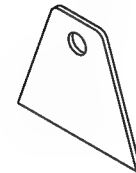
-145

FRONT WHEEL BRACKET FRAME

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-145	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -143 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:4	DATE 1/28/2013
	SHEET 40 OF 49

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				APPROVED



-147

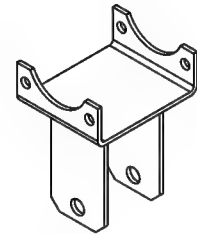
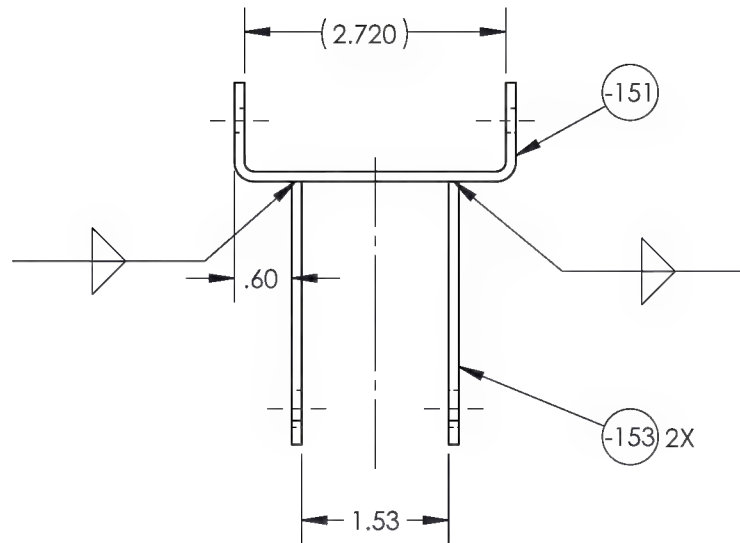
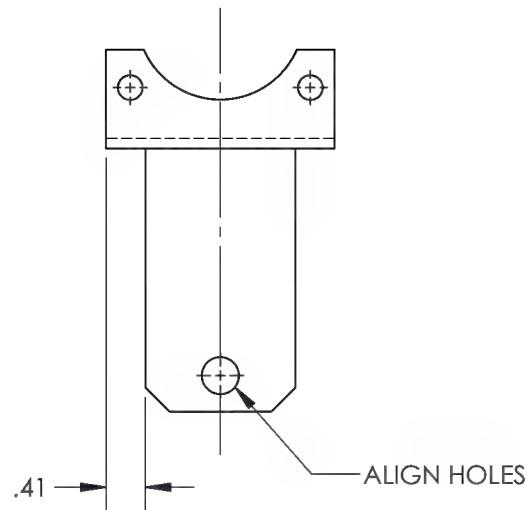
FRONT WHEEL BRACKET GUSSET



TITLE		TOW DOLLY	
DWG NO.		RBW0905G00134-3G-03-147	
REV		5	
MAT'L A36/1018/1020 HR		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH SEE -143 WELDMENT		.XXX ± .010 FRACTIONS ± 1/8	
SPEC		.XX ± .03 ANGLES ± 1°	
DRAWN BY: MARPET		.X ± .1 SURFACES = 125°	
CHECKED: MACKOVJAK		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY	
APPROVED: GILBERT		AFTER PLATING	
SCALE 1:2		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DATE 1/28/2013		USED ON MODEL	
SHEET 41 OF 49		AGUSTA AW139	

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REVISIONS				
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				APPROVED



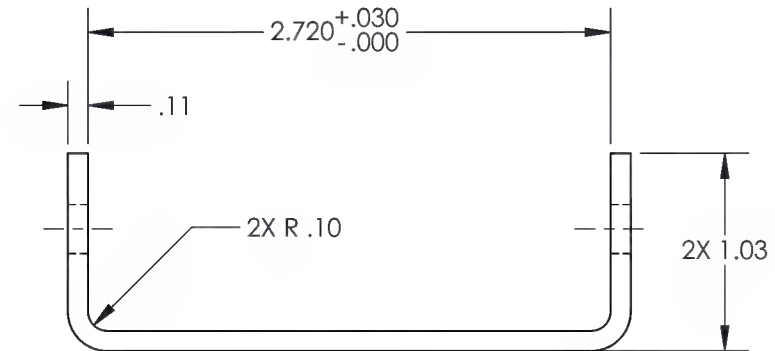
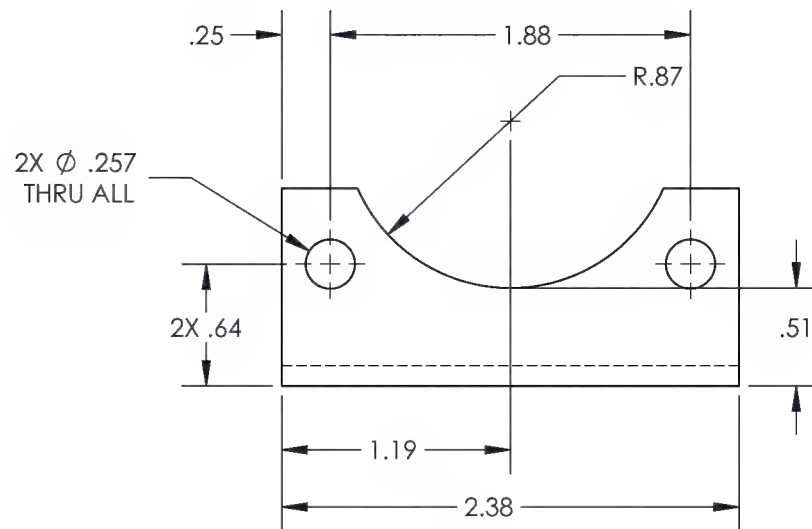
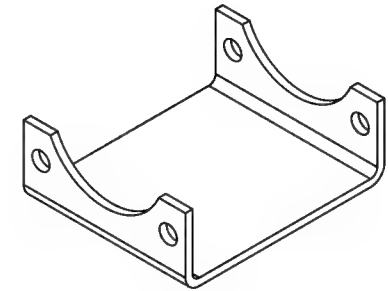
-149

REAR WHEEL BRACKET WELDMENT

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-149	REV 5
MAT'L 6061-T6	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TREAT POWDER COAT YELLOW	.XXX ± .010 FRACTIONS ± 1/8
FINISH POWDER COAT YELLOW	.XX ± .03 ANGLES ± 1°
SPEC FED #13538	.X ± .1 SURFACES = 125° ✓
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AGUSTA AW139
SCALE 1:2	DATE 1/30/2013
SHEET 42 OF 49	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4	16-0029	-151 CH'D DIM WAS 2.66 IS 2.720 +.030-.000.	2/10/2016	RJC	JAG



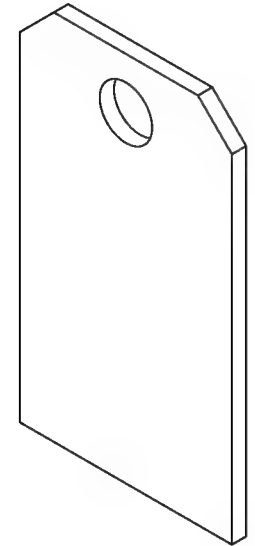
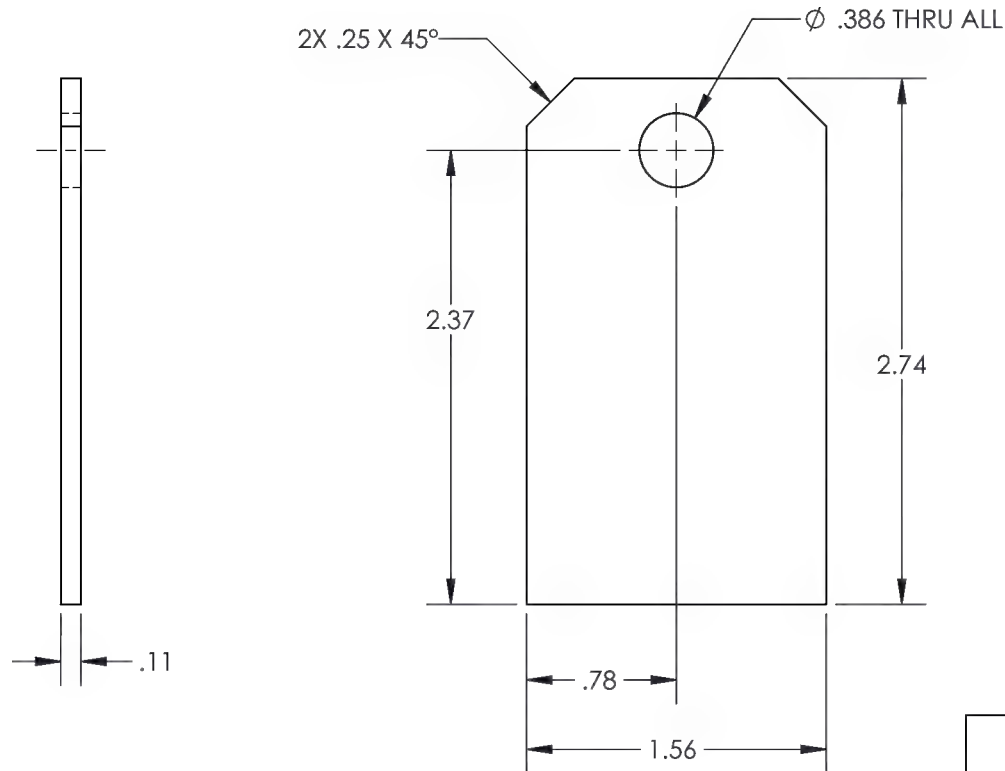
(-151)

REAR WHEEL FRAME

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-151	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -149 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:1	DATE 1/28/2013
	SHEET 43 OF 49

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

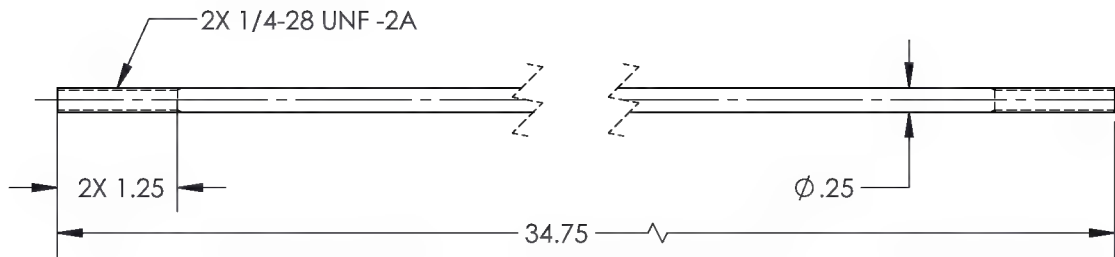


REAR WHEEL VERT. SUPPORT

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-153	REV 5
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -149 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:1	DATE 1/28/2013
	SHEET 44 OF 49

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



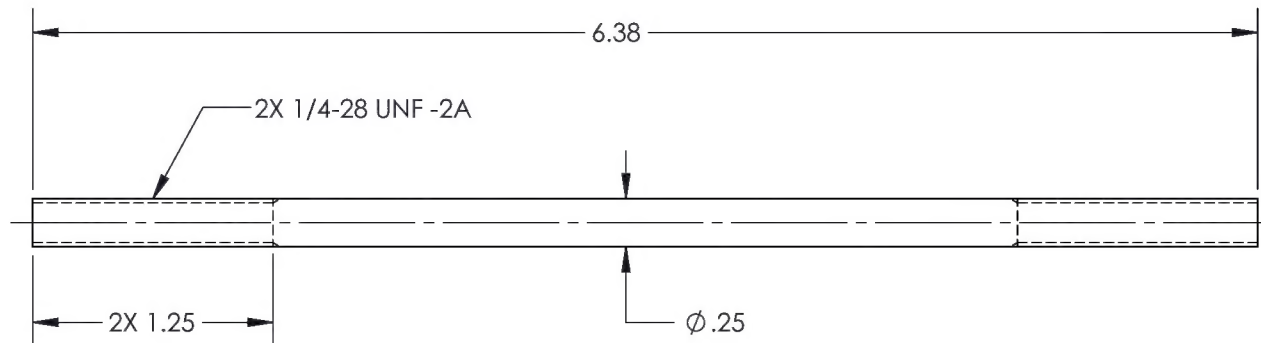
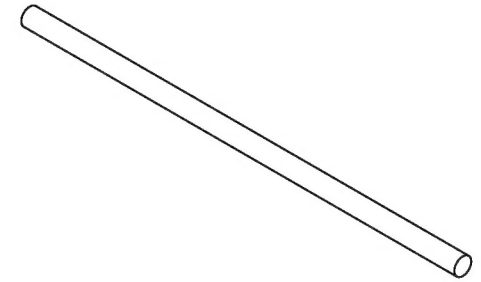
(-157)

THREADED ROD

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-157	REV 5
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .005 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± .5°
DRAWN BY: MARPET	.X ± .1 SURFACES = 125°
CHECKED: MACKOVJAK	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
	USED ON MODEL
	AGUSTA AW139
SCALE 1:2	DATE 1/28/2013
	SHEET 45 OF 49

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REV	ECR	DESCRIPTION	DATE
			INITIAL
			APPROVED



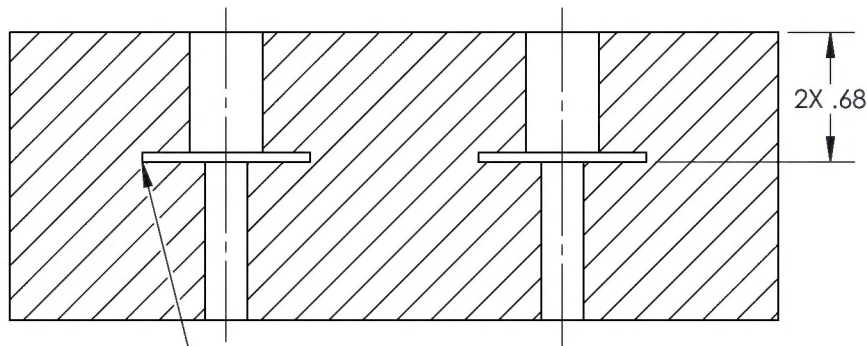
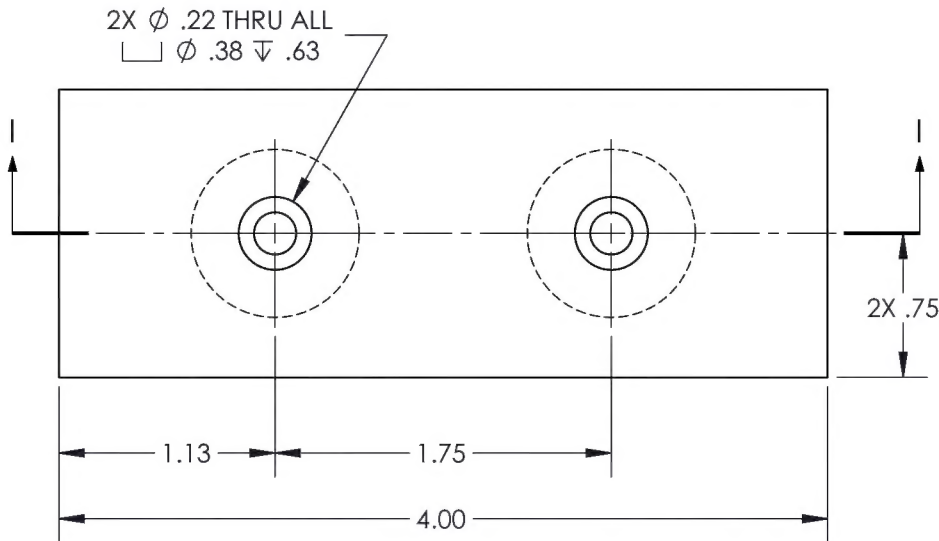
(-159)

THREADED ROD

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-03-159	REV 5
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .005 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± 5°
DRAWN BY: MARPET	.X ± .1 SURFACES = 125°
CHECKED: MACKOVJAK	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 1/28/2013	USED ON MODEL
SHEET 46 OF 49	AGUSTA AW139

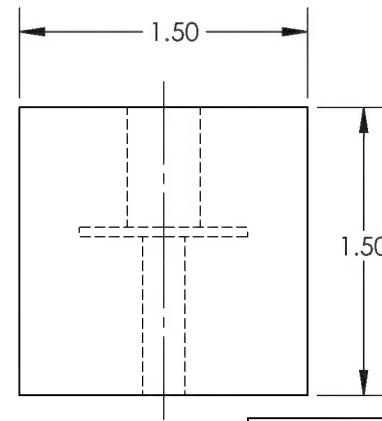
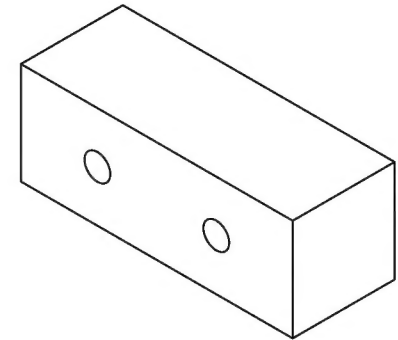
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4	16-0029	-161 CH'D DIM WAS 2X ϕ .266 THRU ALL \square ϕ .44 ∇ .63 IS 2X ϕ .22 THRU ALL \square ϕ .38 ∇ .63.	2/9/2016	RJC	JAG



SECTION I-I

2X MOLD -257 INTO CAST



NOTE:
CAST AS REQUIRED.

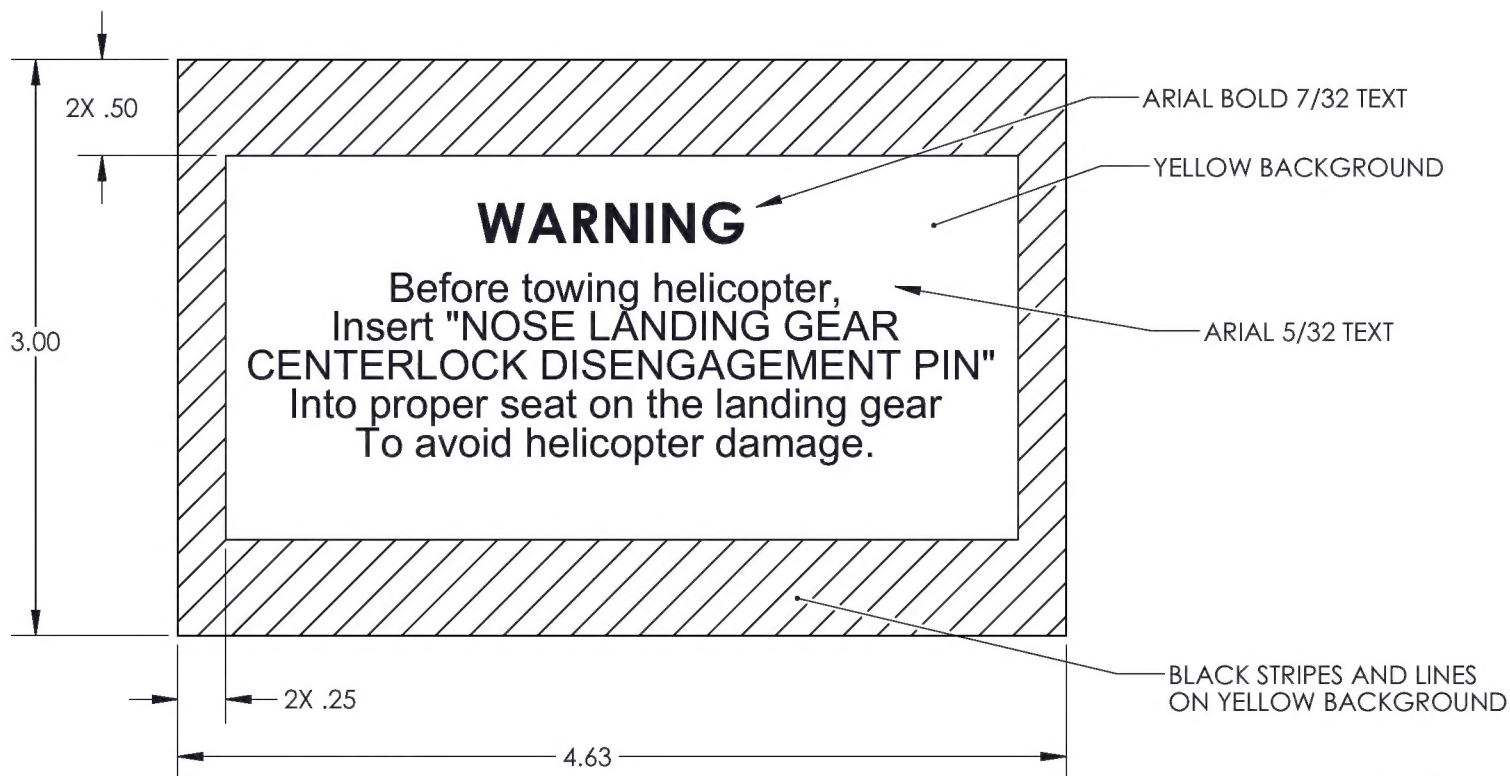
(-161)

PAD

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G0134-3G-03-161	REV 5
MAT'L URETHANE 60A HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .010 FRACTIONS \pm 1/8 .XX \pm .03 ANGLES \pm 1° .X \pm .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH	USED ON MODEL
CHECKED: MACKOVJAK	AGUSTA AW139
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:1	DATE 11/19/2012
SHEET 47 OF 49	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



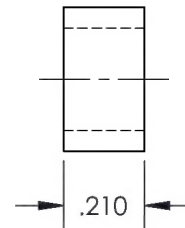
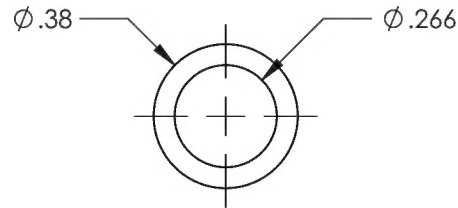
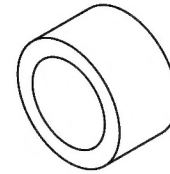
(-237)

WARNING STICKER WITH ADHESIVE BACK

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-36-03-237	REV 5
MAT'L VINYL	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
DRAWN BY: MARPET	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
SCALE 1:1	DATE 2/5/2013
	SHEET 48 OF 49

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	14-0228	-251 ADDED DRAWING FOR MODIFIED B/O.	2/2/2015	RJC	JAG



(-251)

SLEEVE

DART AEROSPACE	
TITLE TOW DOLLY	
DWG NO. RBW0905G00134-3G-251	REV 5
MAT'L BRONZE	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 2:1	USED ON MODEL
DATE 1/23/2013	AW139
	SHEET 49 OF 49